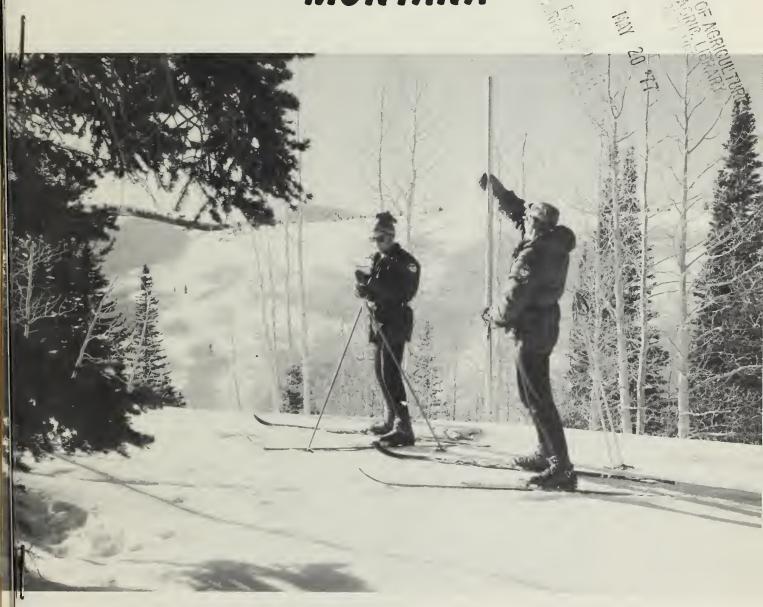
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WATER SUPPLY OUTLOOK FOR MONTANA



U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

MONTANA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW COURSE MEASUREMENTS BY A SURVEY TEAM IN UTAH'S WASATCH RANGE. ORC-254-10

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, 6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

CONSERVATION OF WAR

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

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MONTANA'S MOUNTAIN SNOWPACK BELOW NORMAL



Based on snow surveys records of past years, we can expect streamflows to decrease to well below normal levels this year after the main snowmelt period has passed.

Irrigators who depend on natural streamflows (no stored water) and who have the later water rights on a stream, may wish to consider some of the following alternatives and adjust their operations to a short water supply.

- 1. Take land out of production for land leveling or summer fallow.
- 2. Plant early maturing crops.
- 3. Cut small grains or millet for hay.
- 4. Defer new plantings of grasses and hay crops until a more favorable water supply year.
- 5. Take advantage of any alfalfa or clover seed production opportunities to supplement income.
- 6. Make arrangements early if additional pasture or winter feed will be needed.
- 7. Reduce livestock inventory to balance with available feed.
- 8. Plan to harvest only one crop of alfalfa or graze early and plow down for green manure where recommended.
- 9. Keep large income producing crops on most productive land.
- 10. Improve irrigation water distribution systems wherever possible.
- 11. Use the most efficient irrigation practices possible.



CONTACT YOUR LOCAL SOIL CONSERVATION DISTRICT FOR ADDITIONAL ASSISTANCE

VSD4 SCS-PORTLAND OR 197



MONTANA WATER SUPPLY OUTLOOK May 1, 1977

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Radio telemetry has been installed at ten SNOTEL (snow telemetry) sites in Montana. Western Union and Soil Conservation Service are proceeding with the installation of twenty additional sites. Data on snow water equivalent, air temperature and total precipitation are being transmitted using meteor burst communications. Daily reports are being received in the Snow Survey office in Bozeman. Additional information on the status of sites and their data will be reported in the May 15 Water Supply Outlook.

* * April was not a good precipitation month. * Snowfall. * and precipitation were below average. Snowmelt is × occuring at most elevations. Snow at many snow * * * courses has completely melted and many streams have * already, or are in the process of reaching their peak * snow melt runoff. * * × Dry soils have absorbed much of this early snowmelt. * * Streamflow levels will be much lower than normal for * the remainder of the season. Irrigation water 火 * * supplies from natural streamflow will be in short * supply by mid-June on many streams. * * * * * * * * ***** * *

COLUMBIA RIVER DRAINAGE

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Snow. Snowfall during April was below average. Climatological stations also report valley precipitation was about one-half of normal. Melt has started at all snow courses. Many snow courses are bare and mountain soils are drying. According to record this is the earliest many Montana snow courses have become bare. The current snowpack is about 20 to 40 percent of average.

Streamflow. Earlier than normal melt coupled with low snowpack has resulted in a worsening of the water supply outlook. Provisional streamflow data indicates runoff during April was 75 to 90 percent of average on the Flathead Tributaries and 45 to 65 percent of average on other drainages. Most of the streams reached snowmelt peak in early May. The Bitterroot should reach it's snow melt peak around mid-May.

Streamflow will become quite low by mid-June. Most streams in the Clark Fork drainage are forecast to have the lowest or near lowest runoff of record for the next five months. Runoff in the Flathead is expected to be slightly greater than the low years of the early 1940's. The streamflow will be similar to, or less than 1973 which is the most recent dry year. Irrigation water supplies on streams not having stored water will be in short supply after mid-June. Even irrigation supplies from reservoirs will be much less than normal.

MISSOURI RIVER BASIN

Snow. All snow courses showed decreases in water content during April. Snowfall was below average in the mountains and melt has started earlier than usual. Valley precipitation has also been below average for April. Many snow courses have become bare earlier than normal. Mountain soils are drying from warm temperatures and lack of snow or rain.

The present snowpack is about 15 to 45 percent of average in Missouri headwaters and along the Continental Divide. Small mountain ranges in Central Montana have 60 to 80 percent of the average May 1 snowpack.

Streamflow. Early melt and low winter snowpack have deteriorated the water supply outlook.

Runoff during April, based on preliminary data was about 50 percent of average in the Beaverhead, 75 to 80 percent of average on the Big Hole, Jefferson and Sun Rivers. The Madison River had about average April runoff while the Gallatin flow was a little above average. The inflow to Clark Canyon reservoir is forecast to be less than 10 percent of average for the next five months. Most other Missouri River streams are forecast between 30 and 60 percent average runoff. Exceptions are streams in Central Montana where streamflow should be 80 to 90 percent average.

Except for streamflow in the central part of Montana, the forecasted runoff for the May through September period is the lowest or near the lowest of record.

The Madison and many smaller streams have already reached their peak snowmelt runoff. The Big Hole, Jefferson, Missouri and major streams flowing into the Missouri with headwaters on the Continental Divide are expected to reach their snowmelt peak early in May. The Gallatin River should reach it's snowmelt peak by mid-May.

Irrigation water will be in short supply by mid-June on all streams not having stored water.

YELLOWSTONE RIVER BASIN

Snow. Snowfall during April was below average. Melt has depleted the snowpack at almost all snow courses in the basin. The only snow courses showing an increase during the month are Picket Pin Upper, Cole Creek, Grizzly Peak and Timberline Creek, all near Red Lodge.

Snow at almost all snow courses in Yellowstone National Park has melted.

Precipitation at most valley climatic stations was below average for

April. Mountain soils are drying from warm temperatures and the

lack of snow and rain.

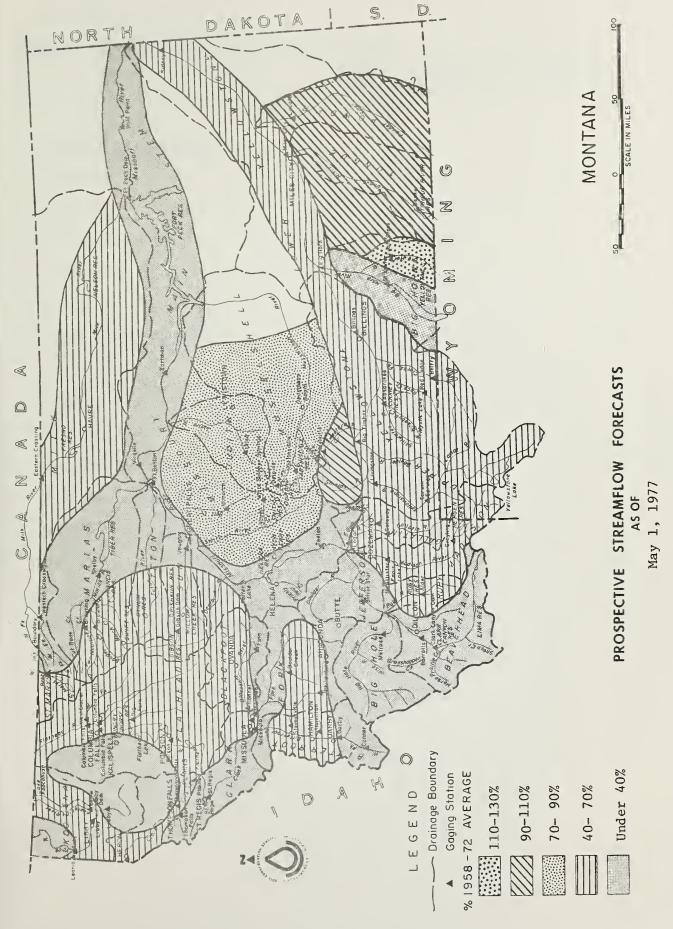
The snowpack is 40 to 60 percent of average in the Yellowstone and Bighorn River headwaters. Snowpack in the north end of the Bighorn mountains continues to be above average.

Streamflow. Early melt and lack of winter snowpack have lowered the available water supply. Runoff during April was generally 60 to 80 percent average on Yellowstone tributaries above the Bighorn and average or above on the Bighorn tributaries.

Streamflow for the next five months is forecast at about one-half of average on the Yellowstone River and it's tributaries. The Bighorn is forecast to be about one-fourth of average while the Little Bighorn should produce above average runoff.

Most streams in the Yellowstone drainage are forecast to have the lowest or near lowest runoff of record. Many smaller streams have already reached their peak snowmelt runoff. The major streams are expected to reach their peak snowmelt runoff by mid-May.

Irrigation water will be in short supply by mid-June on smaller tributaries and by late June or early July on larger streams.

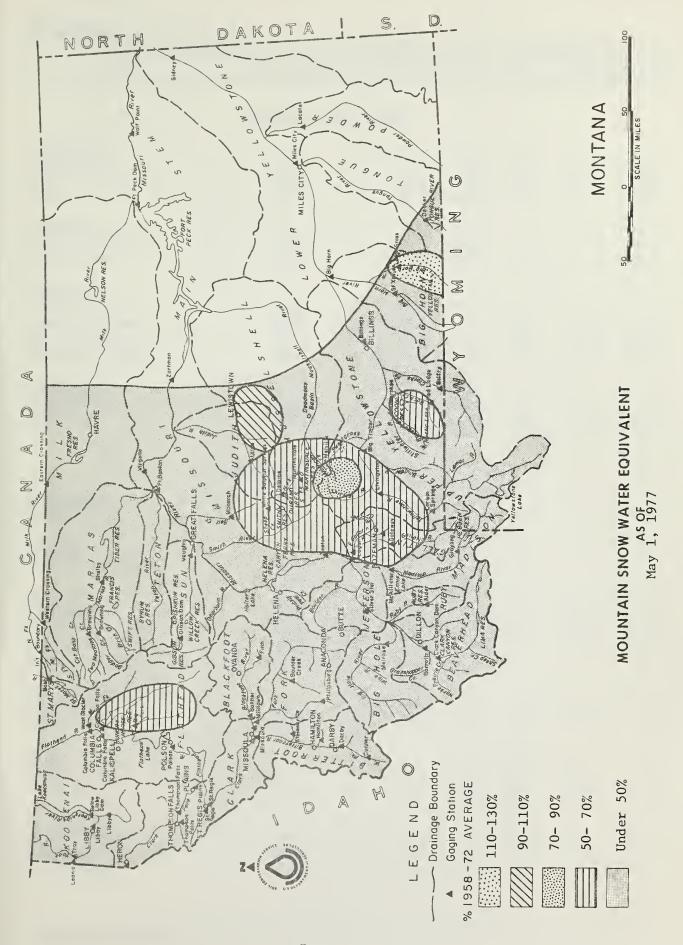




SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF:			
	Averaged	Last Year	Average		
COLUMBIA RIVER DRAINAGE					
Kootenai	41	33	36		
Flathead	21	43	41		
Upper Clark Fork	30	19	23		
Lower Clark Fork	13	29	31		
Bitterroot	12	25	31		
MISSOURI RIVER DRAINAGE					
Jefferson	45	19	25		
Madison	20	18	23		
Gallatin	17	41	47		
Missouri Main Stem	12	37	44		
Judith-Musselshell	11	75	70		
Marias-Teton-Sun	7	15	14		
Milk	2	6	4		
YELLOWSTONE RIVER DRAINAGE					
Yellowstone (above Bighorn)	27	38	47		
Bighorn	17	49	62		
Little Bighorn	7	115	120		
Tongue	9	93	102		
Powder	3	37	49		
SASKATCHEWAN RIVER DRAINAGE					
Bow	_	-	-		
St. Mary's	7	35	33		







DRAINAGE BASIN and/or S		Profil	e (Inches)	Date of		Moisture (Incl	
Name	Elevation	Depth	Capacity	Survey	This Year	Last Year	Average +
	COLUMBIA RI	VER BA	SIN				
Kootenai							
Baree Trail	3800	48	7.5	4-29	6.6	6.4	6.6
Murphy Lake R. S. Raven	3000	48	22.6	5-1	19.5	20.6	21.8
kaven	3050	48	23.0	4-29	14.0	16.9	18.8
Flathead							
Desert Mountain	5600	54	8.4	4-29	9.2	9.0	8.6
Marias Pass	5250	54	6.5	4-23	6.4	6.4	6.2
Clark Fork							
Black Pine	7100	48	10.0	5-1	9.1	8.5	7.8
Lubrecht Forest	4100	48	26.8	-	_	-	-
Seeley Lake R. S.	4030	48	11.9	5-5	10.3	12.6	11.8
Skalkaho Summit	7260	48	10.8	4-29	9.3	10.2	10.0
Bitterroot							
Gibbons Pass	7100	48	7.1	4-28	4.0	5.4	5.5
Lolo Pass	5250	48	10.6	4-28	8.1	7.6	7.2
	MISSOURI RIV	ER BAS	IN				
Beaverhead							
Lakeview	67 00	48	15.3	4-30	15.2	18.5	14.0
Madison							
West Yellowstone	6700	48	6.5	5-5	3.0	3.4	3.2
Gallatin							
Bridger Bowl	7250	48	17.0	4-27	16.1	15.4	16.0
College Site No. 2	4860	48		4-29			16.5
Lick Creek	6860	48	18.8	4-28	14.4	14.8	17.2
Twenty-One Mile	7150	48	10.0	-	-	-	-
Missouri Main Stem							
Kings Hill	7420	48	11.8	4-27	6.0	8.6	7.2
Stemple Pass	6350	48	5.9	4-29	5.4	5.1	5.0
Milk							
Beaver Creek	3950	48	20.9	4-30	10.4	10.0	15.0
Rocky Boy	4700	36	10.1	4-30	9.3	9.6	9.7
Yellowstone	•						
Battle Ridge	6020	48	17.6	4-27	12.7	13.3	14.7
Northeast Entrance	7350	48	9.4	-	_	-	-
PMC Dryland	3700	48	20.7	4-29	5.4	8.6	-



RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

		Usable		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average
COLUMBIA RIVER BASIN	<u>1</u>				
			2 221 2	105.0	
Kootenai	Koocanusa	5,694.0	2,291.0	135.0	-
Flathead	Hungry Horse	3,428.0	2,288.0	2,031.0	2,006.0
	Flathead Lake	1,791.0	877.4	1,067.0	977.9
	Camas (4)	45.2	17.6	25.2	32.5
	Mission Valley (8)	100.3	67.2	64.8	44.0
Clark Fork	Georgetown Lake	31.0	29.0	25.6	23.1
	Lower Willow Creek	4.9	3.2	2.9	2.4
	Nevada Creek	12.6	-	12.8	10.0
District and the	Noxon Rapids	334.6	314.0	262.1	138.4
Bitterroot	Como	34.9	-	25.8	19.0
	Painted Rocks	31.7	14.2	32.4	25.9
MICCOURT DIVER PACTN					
MISSOURI RIVER BASIN	-				
Beaverhead	Clark Canyon	257.2	179.6	176.9	148.9
Deaverneda	Lima	84.0	65.6	66.9	51.5
Ruby	Ruby	38.8	-	36.2	35.0
Madison	Hebgen Lake	337.5	270.9	195.6	212.6
114410011	Ennis Lake	41.0	35.6	35.0	36.6
Gallatin	Middle Creek	8.0	6.7	4.4	4.5
Missouri	Canyon Ferry	2,043.0	1,552.0	1,449.0	1,552.0
	Hauser & Helena	61.9	60.5	62.5	59.3
	Lake Helena	10.4	10.7	10.7	9.6
	Holter Lake	81.9	81.1	79.7	70.6
	Smith River	10.6	_	11.1	8.9
	Bair	7.0	_	7.1	6.3
	Martinsdale	23.1	_	18.1	10.4
	Deadman's Basin	72.2	40.1	_	53.0
	Fort Peck Lake	18,910.0	15,880.0	17,440.0	13,470.0
Sun	Gibson	99.0	76.5	61.8	48.8
	Willow Creek	32.2	27.2	29.8	23.4
	Pishkun	32.0	31.4	30.1	23.1
Marias	Lower Two Medicine	11.9	_	_	_
	Four Horns	19.2	-	-	_
	Swift	30.0	22.4	22.9	20.6
	Lake Frances	111.9	77.1	95.1	84.6
	Tiber	1,347.0	492.5	545.6	611.2
Milk	Beaver Creek	3.5	2.8	2.7	-
	Fresno	127.2	68.6	124.9	106.5
	Nelson	66.8	45.2	51.8	46.8
	Lake Sherburne	66.2	23.2	41.0	20.7
Yellowstone	Mystic Lake	21.0	0.0	1.9	3.1
	Tongue River	68.0	_	36.6	35.2
	Cooney	27.4	20.2	16.0	16.7
Bighorn	Bighorn Lake	1,356.0	888.4	771.4	783.9



FORECAST POWE	PEAK FLOW (SECOND	FEET)
FORECAST POINT	Forecast Range	Average
COLUMBIA RIVER DRAINAGE		
Blackfoot River near Bonner	2,000 - 6,000	9,902
Clark Fork River above Missoula	3,000 - 8,000	16,531
Bitterroot River near Darby	1,500 - 3,000	6,650
Clark Fork River below Missoula	8,000 - 15,000	32,373
Clark Fork River at St. Regis	12,000 - 20,000	41,080
N. Fork Flathead near Columbia Falls	7,000 - 12,000	23,167
N. Fork Flathead near West Glacier	9,000 - 14,000	25,020
MISSOURI RIVER DRAINAGE		
Big Hole River near Melrose	1,000 - 3,000	8,009
Jefferson River at Silver Star	2,000 - 4,000	8,810
Gallatin River near Gateway	2,500 - 3,500	5,369
Gallatin River near Logan	2,000 - 3,500	5,324
Missouri River at Toston	5,000 - 8,000	18,005
Belt Creek near Monarch	500 - 1,500	1,742
Marias River near Shelby	500 - 3,000	12,720
S. Fork Musselshell above Martinsdale	300 - 650	745
YELLOWSTONE RIVER DRAINAGE		
Yellowstone River at Livingston	10,000 - 14,000	20,560
Boulder River near Big Timber	2,000 - 3,500	5,100
Stillwater River near Absarokee	2,000 - 4,000	6,261
Clarks Fork River near Belfry	3,500 - 5,500	7,342
Rock Creek near Red Lodge	300 - 600	1,067
Yellowstone River at Billings	20,000 - 28,000	39,188

^{*}Highly abnormal weather during the critical melting period may cause the peak to be outside the indicated range.



STREAMFLOW FORECASTS		THIS YEAR	PAST RECORD		
	FORECAST FORECAS		FORECAST THOUSAND AC		ACRE FLET
BASIN STREAM and or FORECAST POINT	Thousand Aure Feet	Percent of Average	PERIOD	Lasting	Average

COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Libby (near)(2)	3,500	50	May-Sept	7,455	6,981	
Below Libby Dam	2,950	50	May -July	5,706	5,941	
ETALLED DILLED	2,300	51	May -June	4,036	4,535	
FISHER RIVER Libby (near)	70.0	34	W Comb		205	
Libby (near)	70.0 60.0	31	May-Sept May-July		188	
YAAK RIVER	00.0	31	May -July		100	
Troy (near)	160	35	May -Sept		451	
	150	35	May -July		428	
KOOTENAI RIVER						
Leonia (at)(2)	4,300	52	May -Sept			
	3,550	50	May -July			
INFLOW MOULTON RESERVOIR	2,750	49	May -June			
Butte (near) (million gallons)	60	32	May -June	355	186	
batte (meal) (million gallons)	00	32	riay sunc	333	100	
WARM SPRINGS CREEK AT MEYERS DAM						
Anaconda (near)(3)	21.0	43	May -Sept	61.1	48.9	
	17.0	43	May -July	48.1	39.5	
FLINT CREEK	~ o	26	C +		7/ 0	
Southern Cross (near)(4)	5.3 4.5	36 35	May -Sept	28.6 23.2	14.9 12.7	
FLINT CREEK	4.5	20	May -July	23.2	12.7	
Boulder Creek (below)(5)	29.0	45	May -Sept		64.0	
, , , , , , , , , , , , , , , , , , , ,	22.0	45	May -July		48.5	
INFLOW LOWER WILLOW CREEK RESERVOIR						
Hall (near)(6)	3.8	28	May -Sept	22.7	13.5	
WIRRIE BORY BOOK CREEK	3.5	27	May -July	21.4	12.8	
MIDDLE FORK ROCK CREEK Philipsburg (near)	20.0	42	Mary -Sont		72.0	
Intribandia (mear)	30.0 27.0	42	May -Sept May -July		64.6	
NEVADA CREEK	27.0	-T Z	1149 5029		07.0	

23

22

4.0

3.5

May -Sept

May -July

17.4

15.8

Finn (near)

⁽²⁾ Adjusted for storage in Lake Koocanusa.

⁽³⁾ Adjusted for storage in Silver Lake, diversions to and pumping from Georgetown Lake.

⁽⁴⁾ Adjusted for storage in Georgetown Lake, diversions from and pumping to Silver Lake.

⁽⁵⁾ Sum Flint Creek at Maxville and Boulder Creek at Maxville.

⁽⁶⁾ Sum of North Fork Lower Willow Creek near Hall and South Fork Lower Willow Creek near Hall.



STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD		
	FORECAST		FORECAST	THOLIDANG ACRE FEET		
BASIN, STREAM and or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	A rerage	

COLUMBIA RIVER BASIN (Continued)					
BLACKFOOT RIVER					
Bonner (near)	400	44	May-Sept		905
	340	42	May-July		809
	290	42	May-June		638
CLARK FORK RIVER					
Milltown (above)(7)	290	43	May-Sept		681
	230	40	May-July		578
	180	38	May-June		479
CLARK FORK RIVER					
Missoula (above)	690	44	May-Sept	2,231	1,586
	570	41	May-July	1,970	1,387
	470	40	May-June	1,688	1,167
WEST FORK BITTERROOT RIVER					
Conner (near)(8)	57.0	36	May-Sept		159
	50.0	35	May-July		142
BITTERROOT RIVER					
Darby (near)	200	38	May-Sept	728	52 9
	180	37	May-July	650	486
	155	37	May-June	558	424
SKALKAHO CREEK					
Hamilton (near)	24.5	46	May-Sept		53.6
	21.0	45	May-July		46.7
BURNT FORK CREEK					
Stevensville (near)(9)	16.5	50	May-Sept		33.3
	14.0	48	May-July		29.0
BITTERROOT RIVER					
Missoula (at)(10)	490	36	May-Sept		1,375
	430	34	May-July		1,261
	380	35	May-June		1,084
CLARK FORK RIVER					
Missoula (below)	1,180	40	May-Sept		2,961
	1,000	38	May-July		2,648
	850	38	May-June		2,251
CLARK FORK RIVER					
St. Regis (at)	1,500	38	May-Sept	5,278	3,941
	1,280	36	May-July	4,663	3,521
	1,050	35	May-June	3,953	2,996
NORTH FORK FLATHEAD RIVER	-,	_			
Columbia Falls (near)	970	54	May-Sept		1,809
	850	52	May -July		1.631
	725	53	May -June		1,369

⁽⁷⁾ Difference in observed flow Clark Fork above Missoula and Blackfoot near Bonner.

⁽⁸⁾ Adjusted for storage in Painted Rocks Reservoir.

⁽⁹⁾ Adjusted for diversion into Sunset Highline Canal.

⁽¹⁰⁾ Difference in observed flow Clark Fork above and below Missoula.



STREAMFLOW FORECASTS	THIS YEAR			PAST RECURD		
	FORE	ECAST	FORECAST	THOUSANT	ALREFIET	
BASIN, STREAM and or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average	
					-	
COLUMBIA RIVER BASIN (Continued)						
MIDDLE FORK FLATHEAD RIVER						
West Glacier (near)	1,100	63	May -Sept	1,784	1,740	
	1,000	63	May -July	1,581	1,591	
-	850	64	May -June	1,259	1,337	
SOUTH FORK FLATHEAD RIVER						
Columbia Falls (near)	1,320	62	May -Sept	2,177	2,120	
	1,200	61	May -July	2,033	1,982	
	1,060	61	May -June	1,726	1,726	
FLATHEAD RIVER	Í		-	·	ŕ	
Columbia Falls (at) (11)	3,450	60	May -Sept	6,037	5,785	
	3,200	60	May -July	5,428	5,305	
	2,750	61	May -June	4,452	4,514	
SWAN RIVER	_,		,	,	Í	
Big Fork (near)	365	59	May -Sept		622	
	320	60	May -July		535	
FLATHEAD RIVER						
Polson (near)(12)	3,800	56	May -Sept	7,178	6,838	
1010011 (110011) (111)	3,520	56	May -July	6,334	6,271	
	3,000	57	May -June	5,151	5,303	
CLARK FORK RIVER	3,000	3.	inay ounc	3,232	2,303	
Plains (near) (12)	5,500	49	May -Sept	12,597	11,182	
rialis (ilear) (ile)	4,850	48	May -July	11,110	10,103	
•	4,000	47	May -June	9,139	8,515	
THOMPSON RIVER	.,000	• •	ia, cano	,,_0,	,,,,,	
Thompson Falls (near)	80.0	35	May -Sept		229	
Thompson Tallo (near)	65.0	32	May -July		200	
PROSPECT CREEK	05.0	32	nay oury		200	
Thompson Falls (at)	43.0	37	May -Sept		116	
Thompson Tallo (ac)	38.0	36	May -July		107	
CLARK FORK RIVER	50.0	30	They oury		107	
Whitehorse Rapids (at)(13)	6,000	49	May -Sept		12,349	
	5,250	47	May -July		11,118	
	1,250	47	Mass June		0.250	

4,350

46

May -June

9,358

⁽¹¹⁾ Adjusted for storage in Hungry Horse Reservoir.

⁽¹²⁾ Adjusted for storage in Hungry Horse Reservoir and Flathead Lake.

⁽¹³⁾ Adjusted for storage in Hungry Horse Reservoir, Flathead Lake, and Noxon Rapids Reservoirs.



STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and or FORECAST POINT	Thousand Aire Feet	Percent of Average	PERIOD	Last Year	Average

MTCC	COURT RIVER BACTN	,			
<u>M153</u>	SOURI RIVER BASIN	•			
BEAVERHEAD RIVER					
Grant (near)(14)	7.0	7	May-Sept	187	106
	5.0	6	May-July	145	88.3
RUBY RIVER					
Alder (near)	39.0	46	May-Sept		84.5
DIG WALE DIVID	30.0	43	May-July		70.0
BIG HOLE RIVER	190	29	Wass Canh		665
Melrose (near)	180	29	May-Sept May-July		665 611
BIRCH CREEK	100	43	May-July		011
Glen (near)	5.6	43	May-Sept		13.1
ozen (noaz)	4.4	40	May-July		10.9
BOULDER RIVER			112) 002)		2013
Boulder (near)	31.0	39	May-Sept	132	80.5
	30.0	39	May-July	120	76.2
WILLOW CREEK					
Harrison (near)	3.0	18	May-Sept		16.8
	2.5	17	May-July		14.9
MADISON RIVER	225	.	Warra C		
Grayling (near)(15)	225 155	53 49	May-Sept	523	425
MADISON RIVER	133	49	May-July	398	319
McAllister (near)(16)	400	54	May-Sept	897	734
MCAILISTEL (Meal)(10)	290	52	May-July	696	558
GALLATIN RIVER	-70	32	oury	070	. ,
Gateway (near)	300	59	May-Sept		507
	250	59	May-July		422
INFLOW MIDDLE CREEK RESERVOIR					
Bozeman (near)(17)	17.5	66	May-Sept		26.5
	14.7	65	May-July		22.7
HYALITE CREEK	0.7.0				
Bozeman (near)(18)	27.3	66	May-Sept		41.5
GALLATIN RIVER	23.0	65	May-July		35.5
Logan (at)	220	44	May -Sept		EOE
nogan (ac)	175	44	May -July		505 420
	1/5	74	ing dury		720

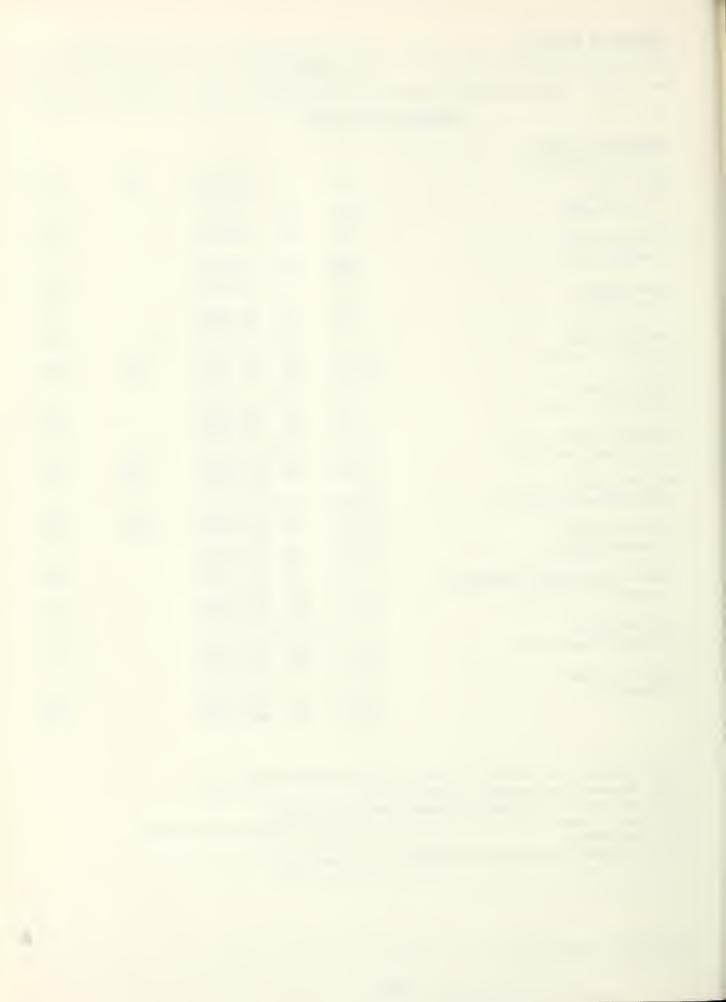
⁽¹⁴⁾ Adjusted for storage in Lima and Clark Canyon Reservoirs.

⁽¹⁵⁾ Adjusted for storage in Hebgen Lake.

⁽¹⁶⁾ Adjusted for storage in Hebgen and Ennis Lakes.

⁽¹⁷⁾ Sum of West Fork Hyalite Creek and East Fork Hyalite Creek above Reservoir.

⁽¹⁸⁾ Adjusted for storage in Middle Creek Reservoir.



STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN, STREAM and or FORECAST POINT	FORECAST		FORELAST	THOUSAND ACRI TEFT	
	Thousand Acre Feet	Percent or Average	PERIOD	Lastren	A crage

MISSOURI RIVER BASIN (Continued)					
MISSOURI RIVER					
Toston (at)(19)	700 530	33 30	May-Sept	3,012	2,104
SHEEP CREEK		30	May-July	2,663	1.781
White Sulphur Springs (near)	17.2	88	May-Sept	22.2	19.5
SUN RIVER	14.6	87	May-July	18.9	16.8
Gibson Dam (at)(20)	240	43	May-Sept	649	556
	210	41	May-July	590	507
BELT CREEK Monarch (near)	98.0	85	May-Sept		115
Honarch (hear)	90.0	86	May -July		115 105
MISSOURI RIVER	1 050				
Fort Benton (at)(21)	1,250 920	39 35	May-Sept May-July		3,227
TWO MEDICINE CREEK	720	33	May -July		2,660
Browning (near)(22)	120	53	May-Sept		226
BADGER CREEK	110	52	May-July		213
Browning (near)	64.0	54	May-Sept		119
	52.0	51	May -July		102
MARIAS RIVER Shelby (near)(23)	145	30	MCont		100
Sherby (hear) (23)	140	30	May-Sept May-July		486 465
MISSOURI RIVER			Ž		
Virgelle (at)(24)	1,400	37	May -Sept May -July		3,799
SOUTH FORK JUDITH RIVER	1,060	33	may -July		3,199
Utica (near)	11.1	80	May -Sept		13.9
MISSOURI RIVER	10.1	80	May -July		12.7
Landusky (near) (24)	1,500	36	May -Sept		4,150
	1,170	33	May -July		3,512

⁽¹⁹⁾ Adjusted for storage in Hebgen and Ennis Lakes and Clark Canyon Reservoir.

⁽²⁰⁾ Adjusted for storage in Gibson Reservoir and diversions.

⁽²¹⁾ Adjusted for storage in Canyon Ferry Reservoir.

⁽²²⁾ Adjusted for storage in Two Medicine Reservoir and diversions into Two Medicine Canal.

⁽²³⁾ Adjusted for storage in Two Medicine, Four Horns, Lake Frances, and Swift Reservoir.

⁽²⁴⁾ Adjusted for storage in Canyon Ferry and Tiber Reservoirs.



STREAMFLOW FORECASTS							
STREAM EDIT TOREGASTS		THIS YEAR		PAST PECORD			
BASIN, STREAM and or FORECAST POINT		FORECAST Thousand Percent of		THOUSAND ACRE LEFT			
	Thousand Acre Feet	Average	PERIOD	Last Year	Average		
MISSOURI RIVER BASIN (Continued)							
NORTH FORK MUSSELSHELL RIVER							
Delpine (near)	4.0	78	May -Sept		5.1		
	3.3	79	May -July		4.2		
SOUTH FORK MUSSELSHELL RIVER			•				
Martinsdale (above)	34.5	78	May -Sept		44.5		
	33.0	79	May -July		41.7		
MISSOURI RIVER							
Fort Peck Dam (below)(25)	1,350	34	May -Sept		3,936		
	1,050	31	May -July		3,407		
MILK RIVER	,						
Eastern Crossing (at)	155	70	May-Sept		221		
MISSOURI RIVER							
Wolf Point (near)(25)	1,450	35	May -Sept		4,105		
	1,100	31	May -July		3,567		
MISSOURI RIVER							
Williston, N.D. (near)(31)	4,150	40	May -Sept		10,352		
	3,600	41	May -July		8,787		
SASKATCHEW	VAN RIVER BA	SIN					
ST. MARY RIVER							
Babb (near)(32)	285	61	May -Sept		468		
	240	60	May -July		399		

⁽²⁵⁾ Adjusted for storage in Canyon Ferry, Tiber, and Fort Peck Reservoirs. (31) Adjusted for storage in Canyon Ferry, Tiber, Fort Peck, Buffalo Bill, Boysen and Yellowtail Reservoirs. Sum Yellowstone River near Sidney and Missouri River near Culbertson.

⁽³²⁾ Adjusted for storage in Lake Sherburne.



STREAMFLOW FORECASTS		THIS YEAR	PAST RECUED		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last feir	Average

YELLOWSTONE RIVER BASIN										
YELLOWSTONE RIVER Corwin Springs (at)	1,080 900	56 57	May-Sept May-July	2,378 2,002	1,915 1,581					
YELLOWSTONE RIVER Livingston (near)	1,250 1,000	56 55	May-Sept May-July		2,212 1,821					
BOULDER RIVER Big Timber (at)	195 180	53 53	May-Sept May-July		367 338					
STILLWATER RIVER Absarokee (near)(26)	310 260	54 55	May -Sept May -July		571 474					
CLARKS FORK RIVER Belfry (near)	320 300	55 57	May -Sept May -July		586 525					
ROCK CREEK Red Lodge (near)	56.0 41.0	52 50	May -Sept May -July	130 102	108 81.7					
INFLOW COONEY RESERVOIR Boyd (near)(27)	20.0	44 46	May -Sept May -July		45.1 34.7					
YELLOWSTONE RIVER Billings (at)	2,100 1,800	52 53	May -Sept May -July	5,391 4,556	4,016 3,383					
BIGHORN RIVER St. Xavier (near)(28)	450 430	26 27	May -Sept May -July	1,925 1,694	1,724 1,581					
LITTLE BIGHORN RIVER Lodgegrass (near)(29)	165 145	124 126	May -Sept May -July	1,094	133					
YELLOWSTONE RIVER Miles City (at)(30)	2,750 2,350	46 46	May -Sept May -July		5,931					
YELLOWSTONE RIVER Sidney (near)(30)	2,800 2,400	46 48	May -Sept May -July		5,108 6,138 5,367					
	_		,		,					

⁽²⁶⁾ Adjusted for storage in Mystic Lake.

⁽²⁷⁾ Sum of Red Lodge Creek above Reservoir and Willow Creek near Boyd.

⁽²⁸⁾ Adjusted for storage in Buffalo Bill, Boysen, Bull Lake and Yellowtail

⁽²⁹⁾ Sum Little Bighorn below Pass Creek and Lodgegrass Creek near Wyola.

⁽³⁰⁾ Adjusted for storage in Buffalo Bill, Boysen and Yellowtail Reservoirs.



NOW			THIS YEAR		Water Conte	nt (inches)
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
NAME	Elevation				Cast Cas	71101040
ABUNDANCE LAKE	8800	4/29	30	11.8	35.2	23.
AMBROSE	6480	4/28	4	1.6	17.4	13.
ARCH FALLS	7350	4/28	22	8.1	19.8	16.
ALD EAGLE PEAK	5700	4/28	59	28.8	67.7	69.
ALD RIDGE	7500	4/29	20	7.8	15.7	14.
ANFIELD MOUNTAIN	5600	4/27	14	5.6	26.3	23.
ANFIELD MOUNTAIN PILLOW	5600	4/27	SP	• 4	21.9	20.
AREE CREEK	5500	4/28	39	18.7	56.2	49.
AREE MIDWAY	4600	4/28	31	12.2	37.1	35.
AREE TRAIL	3800	4/28	0	• 0	• 3	1.
ASIN CREEK	7180	4/28	17	5.3	17.8	-
ASSOO PEAK	5150	4/28	0	• 0	5.1	8.
ATTLE RIDGE	6020	4/27	0	• 0	3.9	5.
EAGLE SPRINGS	8850	5/01	0	• 0	-	-
EAR BASIN	8150	4/27	35	13.2	29.0	24.
EAR MOUNTAIN (ID)	5400	4/27	48	23.0	-	68.
EAR PAW SKI AREA	5200	4/30	0	• 0	-	7.
IG COULEE	5100	4/28	15	7.3	4.1	-
IG CREEK	6750	4/27	71	32.1	48.3	54.
IG SKY	7700	4/27	24	9.1	21.8	20.
IG SKY MEADOW	6350	4/27	0	• 0	8.2	3.
IG SNOWY	7150	4/28	58	25.0	22.2	24.
IG SPRINGS (ID)	6500	5/02	0	• 0	20.3	-
LACK BEAR	7950	4/29	17	7.7	54.6	-
LACK BEAR PILLOW	7950	4/29	SP	9.1	43.7	-
LACK MOUNTAIN	7750	4/26	14	5.0	-	-
LACK PINE	7100	4/26	14	5.0	21.1	14.
LACK PINE PILLOW	7100	4/27	SP	6.9	24.0	15.
LOODY DICK	7600	4/28	8	2.3	21.2	14.
LOODY DICK PILLOW	7600	4/28	SP	1.0	-	-
OTS SOTS	8000	4/29	9	3.0	12.0	-
OULDER MOUNTAIN	7950	4/26	32	11.6	28.6	22.
OULDER MOUNTAIN PILLOW	7950	4/26	SP	12.0	-	-
OX CANYON	6670	5/02	0	• 0	18.0	-
OX CANYON PILLOW	6670	5/02	SP	• 0	-	-
OXELDER CREEK	5100	4/30	0	• 0	-	-*
RANHAM LAKES	8850	4/29	37	14.4	43.0	36.
RIDGER BOWL	7250	4/27	41	18.9	35.7	35.
RIDGER BOWL PILLOW	7250	4/27	SP	17.2	35.7	34.
RISTOW CREEK	3900	4/27	0	• 0	• 4	2.
RUSH CREEK TIMBER	5000	4/28	0	• 0	8.1	8.
ULL MOUNTAIN	6600	4/29	0	• 0	5.4	-
ABIN CREEK	5200	4/27	0	• 8	• 0	2.
ALL ROAD	8050	5/01	14	4.4	17.6	13.
ALVERT CREEK	6450	4/27	0	• 0	14.0	9.
ALVERT CREEK PILLOW	6450	4/27	SP	• 0	5.1	•
AMP MISERY	6400	4/27	90	41.3	51.2	52.
AMP SENIA	7890	4/29	15	5.0	12.6	9.



SNOW		THIS TEAR	THIS YEAR		PAST RECORD Water Content (inches)		
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average	
NAME	Elevation				Lust Tea	Average	
CANYON (WY)	7750	5/02	0	• 0	21.0	16.0	
CARROT BASIN	9000	4/27	40	17.2	46.6	43.4	
CARROT BASIN PILLOW	9000	4/27	SP	15.4	38.4	-	
EDAR GROVE	4100	4/28	0	• 0	10.8	6.8	
CHESSMAN RESERVOIR	6200	4/30	0	• 0	5.0	2.5	
HICKEN CREEK	4060	4/25	0	• 0	-	-	
LOVER MEADOW	8600	5/01	24	8.0	26.0	20.8	
OLE CREEK	7850	4/25	43	15.5	30.2		
OLE CREEK PILLOW	7850	4/25	SP	13.1	26.7	-	
OLLEY CREEK	6300	4/28	0	• 0	7.7	-	
OMBINATION	5600	4/26	0	• 0	6.4	5.9	
OMBINATION PILLOW	5600	4/26	SP	• 0	6.0		
OOKE STATION	8150	4/29	28	10.0	30.4	22.0	
OPPER BOTTOM	5200	4/28	0	• 0	7.5	6.6	
OPPER BOTTOM PILLOW	5200	4/28	SP	• 0	13.5		
OPPER CAMP	6950	4/28	22	8.2	36.8	36.6	
OPPER CAMP PILLOW	6950	4/28	SP	8.7	45.3	m	
OPPER CREEK	5700	4/28	0	• 0	12.1	12.4	
OPPER LAKE CREEK	6100	4/28	10	3.6	25.1	25.5	
OPPER MOUNTAIN	7700	4/29	0	• 0	15.5	12.5	
OTTONWOOD CREEK	5400	4/29	0	• 0	1000		
OYOTE HILL	4200	4/26	2	•6	1.9	3.5	
RYSTAL LAKE	6100	4/28	30	12.9	7.3	16.2	
AD CREEK LAKE	8400	5/01	14	3.4	24.0	17.6	
AISY PEAK	7600	4/27	6	2.0	14.7	12.4	
ALY CREEK	5780	4/26	14	4.6	18.0	-	
ARKHORSE LAKE	8600	4/29	32	13.6	43.0	29.4	
AVIS CREEK	5400	4/26	13	4.9	24.5	24.2	
EADMAN CREEK	6450	4/27	17	6.4	8.8	10.6	
EADMAN CREEK PILLOW	6450	4/27	SP	6.0	6.0	8.2	
ESERT MOUNTAIN	5600	4/29	15	5.9	16.6	15.2	
EVILS SLIDE	8100	4/28	48	18.8	32.5	28.6	
ISCOVERY BASIN	7050	4/26	8	2.5	12.4		
IVIDE	7800	5/01	0	• 0	13.2	11.5	
IVIDE PILLOW	7800	5/01	SP	4.5	13.2	-	
IX HILL	6400	5/01	0	• 0	6.0	-	
AST FORK R.S.	5400	4/29	0	• 0	• 0	-	
LK HORN SPRINGS	7800	5/01	0	• 0	14.3	9.1	
LK PEAK	8000	4/28	36	14.4	23.2	22.1	
MERY CREEK	4350	4/29	0	• 0	11.1		
MERY CREEK PILLOW	4350	4/29	SP	.0	-	-	
ATTY CREEK	5500	4/27	42	15.5	23.4	25.0	
ISH CREEK	8000	4/28	20	6.0	20.1	-	
ISHER CREEK	9100	4/29	55	22.8	53.2	42.4	
ISHER CREEK PILLOW	9100	4/29	SP	22.4	50.2	38.9	
LEECER RIUGE	7500	4/29	1	. 4	16.3	-	
OOLHEN	8280	4/29	18	7.4	27.5	19.9	
OUR MILE	6900	4/29	1	• 3	13.8	8.8	
OURTH OF JULY	3450	4/27	ō	• 0	-		
RED BURR PASS	8000	4/27	32	11.8	38.3	32.6	

Average based On 1958-72 period. A - Aerial observation; water content estimated.

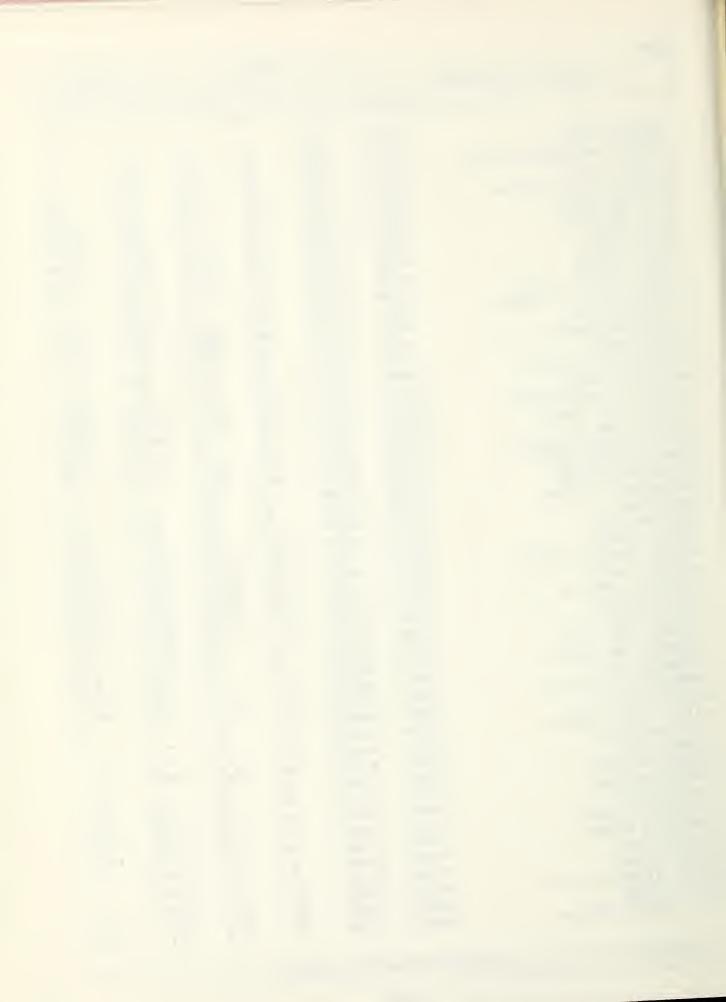
SP - Snow Pillow observation; water content only.

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SNOW	(THIS YEAR	THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Content (inches)			
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average		
FRIDAY HILL	4620	4/27	0	- 0		•		
FROHNER MEADOWS	6480	4/27	0	• 0	8.7	•		
FROHNER MEADOWS PILLOW	6480	4/25	SP	3.8	8.7	•		
GARVER CREEK	4250	4/26	0	• 0	3.9	5.4		
GARVER CREEK PILLOW	4250	4/26	SP	1.1	3.0	5.1		
GIBBONS PASS	7100	4/28	12	4.5	30.1	24.2		
GOAT MOUNTAIN	7000	4/28	1	• 1	10.8	10.9		
GOLD STONE	8100	4/28	20	6.9	27.4	19.4		
GRASSHOPPER	7000	4/28	3	1.4	5.6	5.9		
GRAVE CREEK	4300	4/25	9	3.8	15.7	16.3		
GRAVE CREEK PILLOW	4300		SP			-		
GRIFFIN CREEK DIVIDE	5150	4/25	0	• 5	10.0			
GRIZZLY PEAK	8400	4/28	43	• 0	6.4	8.6		
HALVERSON CREEK (ID)	4850	4/25	36	16.0	26.5	49.7		
HAND CREEK	5030	4/27	0	18.0				
* 1	5030	4/28		• 0	8.1	•		
HAND CREEK PILLOW		4/28	SP	• 9		86 H		
HAWKINS LAKE	6450	4/26	33	13.1	41.0	35.4		
HAWKINS LAKE PILLOW	6450	4/26	SP	14.2	40.7	33.2		
HEART LAKE TRAIL	4800	4/28	10	3.3	20.9	19.0		
HEBGEN DAM	6550	4/27	2	.6	14.3	6.6		
HELL ROARING DIVIDE	5770	5/02	28	12.6	33.2	34.3		
HERRIG JUNCTION	4850	4/25	24	9.0	•	-		
HIGHWOOD DIVIDE	5650	4/28	0	• 0	7 0	-		
HIGHWOOD STATION	4600	4/28	0	• 0	3.8	4 0		
HOLBROOK	4530	4/26	2	- 4	3.4	1.9		
HOOD MEADOW	6600	4/28	17	6.4	17.1	11.6		
HOODOO BASIN	6000	4/28	48	20.6	63.8	55.2		
HOODOO BASIN PILLOW	6000	4/30	SP	16.2	56.2	55.5		
HOODOO CRELK	5900	4/28	42	18.4	56.4	52.2		
ICEBERG LAKE #3	5600	4/28	28	12.9	35.9	33.5		
INDEPENDENCE	7850	5/02	11	4.0	24.9	19.8		
INTERGAARD	6450	4/29	0	• 0	14.7	9.1		
ISLAND PARK (ID)	6310	5/02	0	• 0	17.4	10.2		
JAHNKE LAKE TRAIL	7200	4/28	1	• 4	16.4	8.3		
JOHNSON PARK	6450	4/27	0	• 0	2.6	3.5		
JOSEPHINE LOWER #9	4900	4/27	11	4.4	17.6	18.9		
KEELER CRELK	3300	4/27	0	• 0	-	• 6		
KING CREEK SADDLE	4550	4/27	0	• 0	-	-		
KING SPRINGS	4150	4/27	0	0.0	-	-		
KINGS HILL	7500	5/02	29	12.3	19.0	17.1		
KIWANIS CAMP	3720	4/30	0	• 0	-	-		
LAKE CAMP (WY)	7850	5/02	0	• 0	8.9	8 • 4		
LAKE CREEK	6100	4/28	0	• 0	6.0	2.7		
LAKEVIEW CANYON	6930	4/28	0	• 0	13.6	12.2		
LAKEVIEW RIDGE	7400	4/28	0	• 0	12.8	10.0		
LEMHI PASS	7480	5/01	0	• 0	14.4	•		
LEMHI RIDGE	8100	5/01	0	• 0	16.6	•		
LEMHI RIDGE PILLOW	8100	5/01	SP	1.6	19.6	•		
LICK CREEK	6860	4/28	12	4.0	13.4	11.1		
LICK CREEK PILLOW	6860	4/28	SP	3.3	12.1	10.7		

Average based On 1958–72 periad. A – Aerial observation; water content estimated. SP – Snow Pillow observation; water content only.



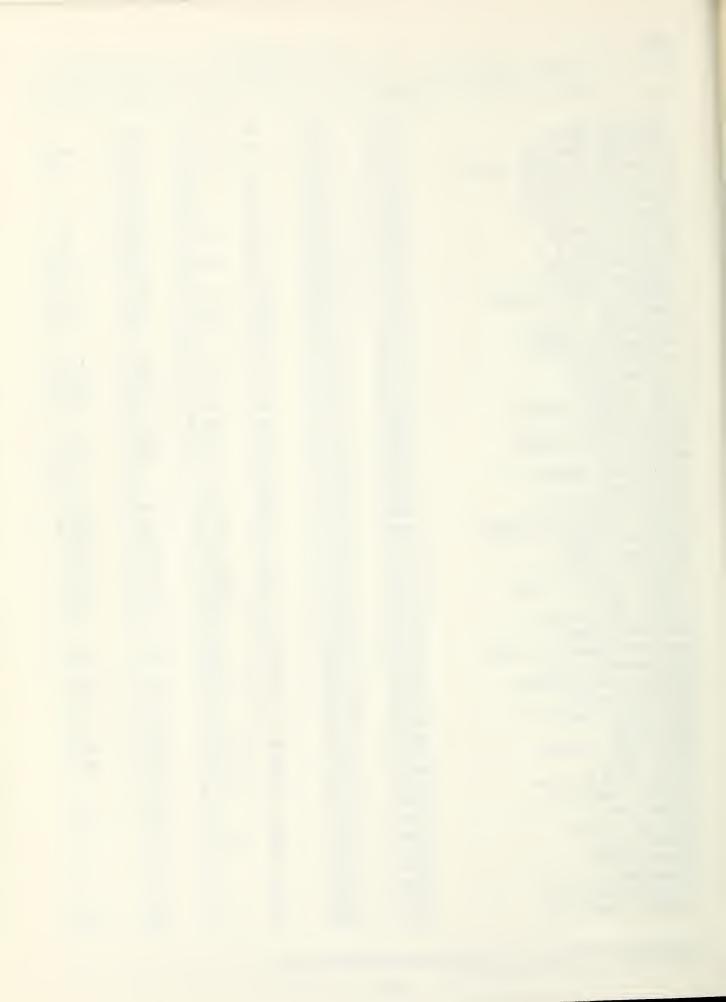
SNOW	THIS YEAR			PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Depth	Water Content	Water Conter	nt (inches)	
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average
LITTLE PARK	7400	1. 107	20	43	22 7	10 7
LOGAN CREEK	4300	4/27	30 0	11.3	22.7	18.3
LOLO PASS (ID)	5230	4/28	23	• 0	1.6	2.7
LOLO PASS PILLOW	5230	4/27		8.0	36.6	52.3
LONE MOUNTAIN	8880	4/30	SP	• 7	70 4	*O (
	5250	4/27	27	10.8	32.1	30.6
LOST HORSE	5940	4/28	23 37	8.3	38.2	37.7
OST SOUL	4800	4/27	0	15.0	46.8	34.3
LOWER TWIN	7900	4/27	22	• 0	11.4	8.9
LUBRECHT FLUME	4800		0	8.8	31.1	26.0
LUBRECHT FLUME PILLOW	4800	5/02	SP	• 0	-	• 0
LUBRECHT FOREST # 3	5450	5/02	0	• 0	2 5	• 0 4 • 0
1100 martin = 200 man 11 11	4650		0	• 0	2.5	
LUBRECHT FUREST # 4 LUBRECHT FUREST # 6	4040	5/02	0	• 0	_	• 4
	7300	5/02	0	• 0		• 0
LUPINE CREEK (WY)	7750	5/02		• 0	13.8	7.7
MADISON PLATEAU PILLOW	7750	4/30	0 SP	• 0	31.8	22.4
MANY GLACIER	4960	4/30		4.6	32.8	23.7
	4960	5/02	1	• 2	**	•
MANY GLACIER PILLOW	5250	5/02	SP 3	• 5	- 44 0	19.3
MARIAS PASS MAYNARD CREEK	6210	4/28	32	• 9	14.8	
MAYNARD CREEK PILLOW	6210	4/27	SP	12.1	20.7	21.8
MEADOW CREEK PILLOW	4000	4/27 5/02	SP	8.4	14.9	
MIDDLE MILL CREEK	7850	4/29	11	3.8	21.0	18.4
MILL CREEK	7500	4/28	21	8.2	13.8	16.5
MINERAL CREEK	4000	5/04	0	• 0	10.3	14.1
MISSION MOUNTAIN	5050	4/27	0	• 0	70.2	-711
MONUMENT PLAK	8800	5/02	47	15.6	41.8	31.6
MOULTON RESERVOIR	6850	4/28	0	• 0	74.00	-100
MOUNT ALLEN # 7	5700	4/27	51	21.4	46.1	50.1
MOUNT LOCKHART	6400	5/02	15	5.4	29.8	25.4
MOUNT LOCKHART PILLOW	6400	5/02	SP	4.5	30.0	23.5
MUDD LAKE	7650	4/27	14	5.2	23.8	23.5
NEWTON MOUNTAIN	5600	4/27	33	12.9		-
NEZ PERCE CAMP	5580	4/29	10	4.8	14.5	12.5
NEZ PERCE CAMP PILLOW	5580	4/29	SP	4.0	_	-
NEZ PERCE CREEK	6500	4/29	0	• 0	5.7	3.5
NEZ PERCE PASS	6570	4/29	5	2.1	21.4	15.6
NOISY BASIN	6040	4/27	89	40.4	48.8	-
NOISY BASIN PILLOW	6040	4/27	SP	35.0	45.2	-
NOISY CREEK	3600	4/27	0	• 0	• 0	-
NORRIS BASIN (WY)	7500	5/02	0	• 0	14.6	8.0
NORTH FK. ELK CREEK	6250	5/02	0	• 0	13.4	11.8
NORTH FK. LLK CREEK PILL	6250	5/02	SP	• 0	13.4	11.5
NORTH FORK JOCKO	6330	4/27	62	28.7	51.9	51.3
NORTH MEADOW	7500	4/29	3	•6	16.2	11.5
NORTHEAST ENTRANCE	7400	5/02	0	• 0	13.0	7.8
NORTHEAST ENTRANCE PILL.	7400	5/01	SP	• 0	13.6	8.2
NOTCH	8500	5/01	29	10.8	23.6	18.5
OLD FAITHFUL(WY)	7360	5/02	0	• 0	19.2	
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Average based On 1958-72 period. A - Aerial observation; water content estimated. SP - Snow Pillow observation; water content only.

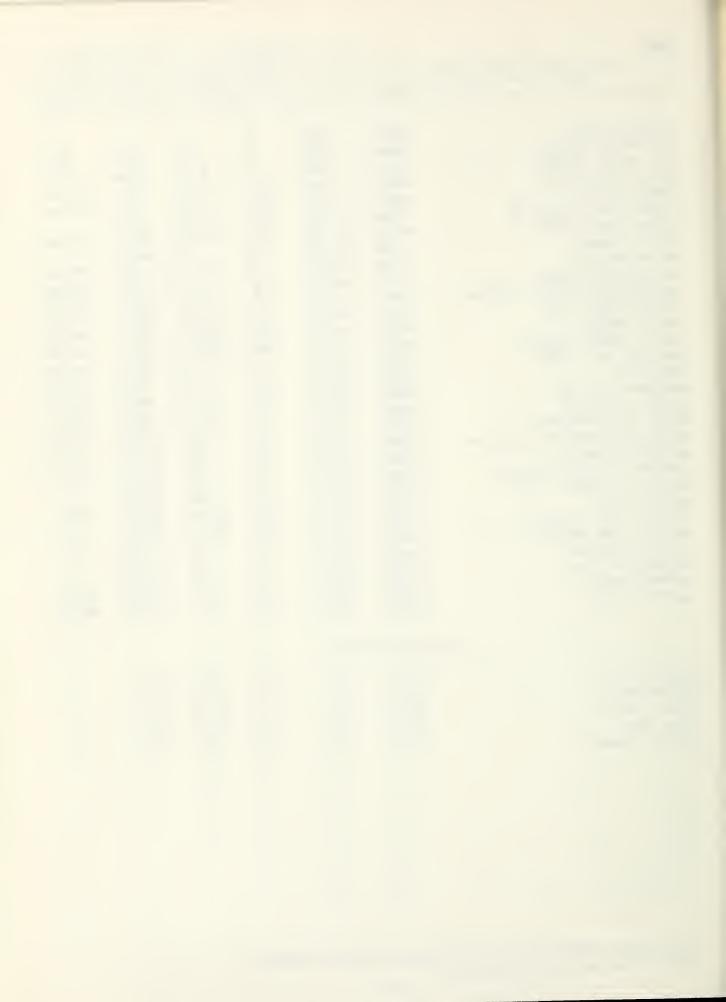


Description	SHOW		THIS YEAR	PAST RECORD			
OPHIR PARK	DRAINAGE BASIN and/or SNOW COURSE	Date	Saaw Death				
PALISADE CREEK PETERSON MEADOWS PETERSON MEADOWS PETERSON MEADOWS PETERSON MEADOWS PILLOW PICKET PIN LOWER PICKET PIN LOWER PICKET PIN MIDDLE PICKET PIN MID	NAME	Elevation					
PALISADE CREEK PETERSON MEADOWS PETERSON MEADOWS PETERSON MEADOWS PETERSON MEADOWS PILLOW PETERSON MEADOWS PILLOW PICKET PIN LOWER 6200 4/28 0 .0 2.0 - PICKET PIN LOWER 6200 4/28 0 .0 2.0 - PICKET PIN MIDDLE 7250 4/28 0 .0 2.0 - PICKET PIN MIDDLE 7250 4/28 0 .0 2.0 - PICKET PIN MIDDLE 7250 4/28 0 .0 2.0 - PICKET PIN MIDDLE 7250 4/28 0 .0 2.0 - PICKET PIN WIDDLE 7250 4/28 0 .0 2.0 - PICKET PIN WIDDLE 7250 4/28 0 .0 2.0 - PICKET PIN WIDDLE 7250 4/28 40 14.0 36.0 - PICKET PIN WIDDLE 7250 4/29 0 .0 3.8 2.8 PIEGRAN PASS # 6 5500 4/27 41 16.5 39.8 43.1 PIPESTONE PASS 7200 4/29 0 .0 12.1 6.1 PICKET PIN WIDDLE 7250 4/28 SP 10.1 34.0 31.4 PORCUPINE POORMAN CREEK 7500 4/28 SP 10.1 34.0 31.4 PORCUPINE PORCUPINE 6500 4/28 SP 10.1 34.0 31.4 PORCUPINE PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETION PARK 7150 4/27 0 .0 15.9 12.0 POTOMAGETION PARK 7150 4/27 0 .0 15.9 12.0 POTOMAGETON PARK 7150 4/28 26 10.4 4.8 10.4 PROCKER PEAK 8000 4/28 26 10.4 4.8 10.4 ROCK CREEK 8600 4/28 26 10.4 4.8 10.4 ROCK CREEK MEADOWS 8166 4/29 44 14.5 28.8 - ROCKER PEAK 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY PILLOW 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY PILLOW 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY PILLOW 9700 5/01 SP .0 .0 22.3 SADDLE MOUNTAIN PILLOW 7940 4/28 SP 11.6 37.9 30.2 SACAJAMEA 8300 4/28 SP 11.6 37.9 30.2 SAMAELL MOUNTAIN (10) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 SP 11.6 37.9 30.2 SAMAELL MOUNTAIN 7940 4/28 SP 21.4 36.4 52.2 SILVER RUN SAMTELL MOUNTAIN 7940 4/28 SP 21.4 36.4 52.2 SILVER RUN SAMAELL MOUNTAIN 7260 4/29 SP 5.9 SKALKAHO SUMMIT PILLOW 8603 4/26 SP 1.6 3.5 36.8 38.1 SILVER RUN PILLOW 8603 4/26 SP 1.6 3.5 3.2 28.0 STAHL PEAK 8700 4/29 SP 5.9 SKALKAHO SUMMIT 7260 4/29 SP 5.9 SCALARA SP 11.0 SMUGGLER MINE 8000 4/27 SP 20.2 27.8 25.8 STAHL PEAK 8000 4/27 SP 20.2 27.8 25.8 STAHL PEAK 8000 4/29 SP 10.0 2.0 2.7 27.8 25.8 STAHL PEAK 8000 4/29 SP 10.0 2.0 2.7 27.8 25.8 STAHL PEAK 8000 4/29 SP 10.0 2.0 2.							
PALISADE CREEK PETERSON MEADOWS PETERSON MEADOWS PETERSON MEADOWS PETERSON MEADOWS PILLOW PICKET PIN LOWER PICKET PIN LOWER PICKET PIN MIDDLE PICKET PIN MID	OPHIR PARK	7150	5/01	1.4	4.9	26.8	-
PETERSON MEADOWS PILLOW 7200 4/27 8 2.7 18.5 11.9 PETERSON MEADOWS PILLOW 7200 4/27 SP 5.1 18.9 PICKET PIN LOWER 6200 4/28 0 .0 2.0 - PICKET PIN MIDDLE 7250 4/28 0 .0 21.4 - PICKET PIN MIDDLE 7250 4/28 0 .0 21.4 - PICKET PIN MIDDLE 7250 4/28 0 .0 21.4 - PICKET PIN WIPPER 8100 4/28 40 14.0 36.0 - PICKET PIN UPPER 8100 4/28 40 14.0 36.0 - PICKET PIN WIPPER 8100 4/28 40 14.0 36.0 - PICKET PIN WIPPER 8100 4/28 20 3.8 35.0 35.2 50.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 3							34.2
PETERSON MEADOWS PILLOW 7200 4/27 SP 5.1 18.9 - PICKET PIN LOWER 6200 4/28 0 .0 21.4 - PICKET PIN MIDDLE 7250 4/28 0 .0 21.4 - PICKET PIN MIDDLE 7250 4/28 0 .0 21.4 - PICKET PIN UPPER 8100 4/28 40 14.0 36.0 - PICNIC GROUNDS 6200 4/29 0 .0 3.8 2.8 PIEGAN PASS # 6 5500 4/27 41 16.5 39.8 43.1 PIPESTONE PASS 7200 4/29 0 .0 12.1 6.1 PORTAIN CREEK 5100 4/28 20 8.8 35.0 33.2 POORMAN CREEK 5100 4/28 SP 10.1 34.0 31.4 PORCUPINE PILLOW 5100 4/28 SP 10.1 34.0 31.4 PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETON PARK 7150 4/27 0 .0 15.9 12.0 PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETON PARK 7150 4/27 0 .0 15.9 12.0 PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETON PARK 7150 4/27 0 .0 15.9 12.0 PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETON PARK 7150 4/27 0 .0 15.9 12.0 PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETON PARK 7150 4/27 0 .0 15.9 12.0 PORCUPINE PILLOW 6500 4/28 41 16.3 43.7 42.0 RED MOUNTAIN 6000 5/02 0 .0 22.3 21.0 ROCK CREEK FEAK 8000 4/25 SP 10.4 4.8 10.4 ROCK CREEK MEADOWS 8160 4/28 26 10.4 4.8 10.4 ROCKER PEAK PILLOW 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY 4700 5/01 0 .0 .0 .0 1.5 ROCKY BOY 4700 5/01 0 .0 .0 .0 1.5 ROCKY BOY 4700 5/01 0 .0 .0 .0 1.5 SACAJAWEA 6550 4/27 20 9.2 18.9 14.3 SADDLE MOUNTAIN 7940 4/28 SP 11.6 37.9 30.2 SAMTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 SP 11.6 37.9 30.2 SAMTELL MOUNTAIN 7940							
PICKET PIN LOWER PICKET PIN MIDOLE PICKET PIN MIDOL P	•			SP			
PICKET PIN MIDDLE PICKET PIN WIPPER BROWN 4/28 PIEGAN PASS PIEGAN PASS PIEGAN PASS PIEGAN PASS PIEGAN PASS POORMAN CREEK POORMAN							-
PICKET PIN UPPER	PICKET PIN MIDDLE			0			-
PIENIC GROUNDS 6200 4/29 0 0 3.8 2.8 PIEGAN PASS 6 5500 4/27 41 16.5 339.8 43.1 PODRMAN CREEK 5100 4/28 20 8.8 35.0 33.2 PORCUPINE 6500 4/28 SP 10.1 34.0 31.4 PORCUPINE 6500 4/29 15 5.8 9.2 8.0 PORCUPINE PILLOW 6500 4/29 15 5.8 9.2 8.0 PORCUPINE PILLOW 6500 4/29 15 5.8 9.2 8.0 POTOMAGETON PARK 7150 4/27 0 0 15.9 12.0 PTARMIGAN #8 5800 4/28 41 16.3 43.7 42.0 RED MOUNTAIN 6000 5/02 0 0 22.3 21.0 ROCK REEK MEADOWS 8160 4/29 44 14.5 28.8 - ROCKER PEAK PILLOW	PICKET PIN UPPER	8100		40			-
PIEGAN PASS # 6 5500	PICNIC GROUNDS	6200		0		_	2.8
PIPESTONE PASS 7200	·	5500		41	_		43.1
POORMAN CREEK FILLOW F100 4/28 SP 10.1 34.0 31.4	·			0			
POORMAN CREEK PILLOW 5100 4/28 SP 10.1 34.0 31.4 PORCUPINE 6500 4/29 15 5.8 9.2 8.0 PORCUPINE PILLOW 6500 4/29 SP .8 POTOMAGETON PARK 7150 4/27 0 .0 15.9 12.0 PTARMIGAN #8 5800 4/28 41 16.3 43.7 42.0 RC MOUNTAIN 6000 5/02 0 .0 22.3 21.0 ROCK CREEK MEADOWS 8160 4/28 26 10.4 4.8 10.4 RCCK CREEK MEADOWS 8160 4/28 26 10.4 4.8 10.4 RCCK CREEK MEADOWS 8160 4/29 44 14.5 28.8 - RCCKER PEAK 8000 4/25 SP 10.5 24.8 20.1 RCCKY BOY PILLOW 8000 4/25 SP 10.5 24.8 20.1 RCCKY BOY PILLOW 4700 5/01 0 .0 .0 1.5 SP. RCCKY BOY PILLOW 4700 5/01 SP .0 .0 2.9 SACAJAWEA 6550 4/27 20 9.2 18.9 14.3 SADDLE MOUNTAIN PILLOW 7940 4/28 SP 11.6 37.9 30.2 SAWTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 SP 11.6 37.9 30.2 SAWTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 SP 20.3 35.3 28.7 SHOWER FALLS PILLOW 8100 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 SP 2.5 SENTINEL CREEK 8100 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 SP 2.5 SENTINEL CREEK 8100 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 SP 2.5 SENTINEL CREEK 8100 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 SP 2.5 SENTINEL CREEK 8100 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 SP 2.5 SENTINE SUMMIT 7260 4/29 SP 5.9 SKALKAHO SUMMIT 7260 4/29 SP 5.9 SLAGE-A-MELT LAKE 8750 4/29 SP 5.9 SLIDE ROCK MOUNTAIN 7100 4/27 SP 20.2 27.8 26.8 SPUR PARK 8000 4/27 SP 20.2 27.8 26.8 STAHL PEAK 8000 4/27 SP 20.2 27.8 26.8 STAHL PEAK 8000 4/27 SP 20.2 27.8 26.8 STAHL PEAK 8000 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 0 0 7.2 6.7 STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 0 0 7.2 6.7 STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 0 0 7.2 6.7 STEMPLE PASS 6600 5/02 0 0 0 0 STEMPLE PASS 6600 5/02 0 0 0 0 STEMPLE PASS 6600 5/02 0 0 0 0		5100		20			
PORCUPINE 6500	·						
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POTOMAGETON PARK PTARMIGAN #8 5800 4/28 41 16.3 43.7 42.0 RCD MOUNTAIN 6000 5/02 0 .0 22.3 21.0 ROCK CREEK 5600 4/28 26 10.4 4.8 10.4 ROCK CREEK MEADOWS 8160 4/29 44 14.5 28.8 - ROCKER PEAK 8000 4/25 19 5.8 23.2 18.0 ROCK PEAK ROCK PEAK 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY ROCKY ROCKY BOY ROCKY ROCKY BOY ROCKY							-
PTARMIGAN #8 RED MOUNTAIN ROCK CREEK ROCK CREEK ROCK CREEK MEADOWS RIGOUNTAIN ROCK CREEK ROCK CREEK MEADOWS RIGOUNTAIN ROCK CREEK ROCK CREEK ROCK CREEK ROCK CREEK ROCK CREEK ROCK PEAK ROCK BOY ROCK ROCK ROCK ROCK ROCK ROCK ROCK ROCK						15.9	12.0
RED MOUNTAIN ROCK CREEK SEON 4/28 26 10.4 4.8 10.4 ROCK CREEK MEADOWS ROCK CREEK ROCK CREEK MEADOWS ROCK CREEK ROCK CREEK ROCK CREEK ROCK CREEK ROCK CREEK ROCK CREEK ROCK RPEAK ROCK CREEK ROCK RPEAK ROCK RPEAK ROCK PEAK ROCC POS TO SACH ROCK PEAK ROCC POS TO SACH ROCC POS TO SAC	·			41			
ROCK CREEK MEADOWS 8160 4/28 26 10.4 4.8 10.4 ROCK CREEK MEADOWS 8160 4/29 44 14.5 28.8 - ROCKER PEAK 8000 4/25 19 5.8 23.2 18.0 ROCKER PEAK PILLOW 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY HILOW 4700 5/01 0 0 0 1.5 ROCKY BOY PILLOW 4700 5/01 SP 0 0 2.9 SACAJAWEA 6550 4/27 20 9.2 18.9 14.3 SADDLE MOUNTAIN 7940 4/28 SP 11.6 37.9 30.2 SAWTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 36.1 SENTINEL CREEK 8300 4/28 21 8.0 28.9 26.1 SHOWER FALLS 8100 4/28 SP 21.4 36.4 32.2 SILVER RUN 6630 4/28 SP 21.4 36.4 32.2 SILVER RUN 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 SP 6.6 SKALKAHO SUMMIT 7260 4/29 SP 5.9 SLAGA-A-MELT LAKE 8750 4/29 23 9.4 35.1 28.0 SMUGGLER MINE 6960 4/29 SP 5.9 SLAGA-A-MELT LAKE 8750 4/29 3 10.2 40.9 29.1 SILVER ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 54 23.2 33.2 30.0 SPUR PARK 8000 4/27 SP 20.2 27.8 25.8 STAHL PEAK 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 8050 4/26 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 0 22.7 17.4 STRYKER BASIN 6180 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 0 7.2 6.7 SUCKER CREEK 3960 4/30 0 0 STUART MILL 6500 4/29 0 0 7.2 6.7 SUCKER CREEK 3960 4/30 0 0 STUART MILL 6500 4/29 0 0 7.2 6.7 SUCKER CREEK 3960 4/30 0 0 STUART MILL 6500 4/29 0 0 0 7.2 6.7 SUCKER CREEK 3960 4/30 0 0	·						
ROCK CREEK MEADOWS ROCKER PEAK 8000 4/25 19 5.8 23.2 18.0 ROCKER PEAK 8000 4/25 19 5.8 23.2 18.0 ROCKER PEAK 91LLOW 8000 4/25 19 5.8 23.2 18.0 ROCKY BOY 4700 5/01 0 0 0 0 1.5 ROCKY BOY PILLOW 4700 5/01 SP 0 0 2.9 SACAJAWEA 6550 4/27 20 9.2 18.9 14.3 SADDLE MOUNTAIN 7940 4/28 26 10.2 35.7 28.8 SADDLE MOUNTAIN PILLOW 7940 4/28 SP 11.6 37.9 30.2 SAWTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 51 8.0 28.9 26.1 SHOWER FALLS 8100 4/28 SP 21.4 36.4 52.2 SILVER RUN 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 8 2.7 5.4 - SKALKAHO SUMMIT 7260 4/29 SP 5.9 - SKALKAHO SUMMIT PILLOW 7260 4/29 SP 5.9 - SLALKAHO SUMMIT 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 44.3 STAHL PEAK PILLOW 8100 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 0 7.2 6.7 SUCKER CREEK 3960 4/29 0 0 7.2 6.7 SUCKER CREEK 3960 4/29 0 0 7.2 6.7 SUCKER CREEK 3960 4/29 0 0 0 - SYLVAN PASS (WY) 7100 5/02 0 0 18.3 11.1	· ·						
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ROCKER PEAK PILLOW 8000 4/25 SP 10.5 24.8 20.1 ROCKY BOY 4700 5/01 O .0 .0 1.5 ROCKY BOY PILLOW 4700 5/01 SP .0 .0 2.9 SACAJAWEA 6550 4/27 20 9.2 18.9 14.3 SADDLE MOUNTAIN 7940 4/28 26 10.2 35.7 28.8 SADDLE MOUNTAIN PILLOW 7940 4/28 SP 11.6 37.9 30.2 SAMTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 21 8.0 28.9 26.1 SHOWER FALLS 8100 4/28 SP 21.4 36.4 32.2 SHOWER FALLS 8100 4/28 SP 21.4 36.4 32.2 SILVER RUN 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630							_
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ROCKY BOY PILLOW 4700 5/01 SP .0 .0 2.9 SACAJAWEA 6550 4/27 20 9.2 18.9 14.3 SADDLE MOUNTAIN 7940 4/28 26 10.2 35.7 28.8 SADDLE MOUNTAIN PILLOW 7940 4/28 SP 11.6 37.9 30.2 SAWTELL MOUNTAIN (ID) 8710 5/02 8 5.5 36.8 38.1 SENTINEL CREEK 8300 4/28 21 8.0 28.9 26.1 SHOWER FALLS 8100 4/28 SP 21.4 36.4 32.2 SILVER RUN 6630 4/26 8 2.7 5.4 - SILVER RUN FILLOW 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 8 2.7 5.4 - SKALKAHO SUMMIT 7260 4/29 23 9.4 35.1 28.0 SKALKAHO SUMMIT 7260 4/29 SP 5.9 SLAG-A-MELT LAKE 8750 4/29 SP 5.9 SLAG-A-MELT LAKE 8750 4/29 SP 5.9 SUMGGLER MINE 6960 4/29 SP 5.9 SUMGGLER MINE 6960 4/29 54 23.2 33.2 30.0 SPUR PARK 8000 4/27 44 18.0 26.6 20.0 SPUR PARK 8000 4/27 57 20.2 27.8 25.8 STAHL PEAK PILLOW 8100 4/25 SP 19.3 32.9 - STAHL PEAK PILLOW 6050 4/26 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STYKER BASIN 6180 4/29 0 .0 22.7 17.4 STYKER BASIN 6180 4/29 0 .0 22.7 17.4 SUCKER CREEK 3960 4/30 0 .0 STUART MILL 6500 4/29 0 .0							
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SENTINEL CREEK SHOWER FALLS SHOWER FALLS SHOWER FALLS PILLOW SHOWER FALLS SHOWER							
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SHOWER FALLS PILLOW SILVER RUN 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 SP .6 - SKALKAHO SUMMIT 7260 4/29 23 9.4 35.1 28.0 SKALKAHO SUMMIT PILLOW 7260 4/29 SP 5.9 - SLAG-A-MELT LAKE 8750 4/29 23 10.2 40.9 29.1 SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 50.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK STAHL	SHOWER FALLS	8100				35.3	28.7
SILVER RUN 6630 4/26 8 2.7 5.4 - SILVER RUN PILLOW 6630 4/26 SP .6 - - SKALKAHO SUMMIT 7260 4/29 23 9.4 35.1 28.0 SKALKAHO SUMMIT PILLOW 7260 4/29 SP 5.9 - - SLAG-A-MELT LAKE 8750 4/29 23 10.2 40.9 29.1 SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 30.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 5P 20.2 27.8 25.8 STAHL PEAK PILLOW 6050 4/26 57 23.2 44.5 44.3 STAHL PEAK PASS 6600 5/02 5 1.5 15.0 11.9	SHOWER FALLS PILLOW	8100		SP	21.4	36.4	32.2
SILVER RUN PILLOW 6630 4/26 SP .6 - - SKALKAHO SUMMIT 7260 4/29 23 9.4 35.1 28.0 SKALKAHO SUMMIT PILLOW 7260 4/29 SP 5.9 - - SLAG-A-MELT LAKE 8750 4/29 23 10.2 40.9 29.1 SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 30.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 44.3 STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 </td <td></td> <td>6630</td> <td></td> <td>8</td> <td></td> <td></td> <td>-</td>		6630		8			-
SKALKAHO SUMMIT PILLOW 7260 4/29 SP 5.9 - - SLAG-A-MELT LAKE 8750 4/29 23 10.2 40.9 29.1 SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 30.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK PILLOW 6050 4/26 57 23.2 44.5 44.3 STEMPLE PASS 6600 5/02 5 19.3 32.9 - STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUGARLOAF 7350 <td>_</td> <td>6630</td> <td></td> <td>SP</td> <td></td> <td>-</td> <td>-</td>	_	6630		SP		-	-
SKALKAHO SUMMIT PILLOW 7260 4/29 SP 5.9 - - SLAG-A-MELT LAKE 8750 4/29 23 10.2 40.9 29.1 SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 30.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK PILLOW 6050 4/26 57 23.2 44.5 44.3 STEMPLE PASS 6600 5/02 5 19.3 32.9 - STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUGARLOAF 7350 <td>SKALKAHO SUMMIT</td> <td>7260</td> <td></td> <td>23</td> <td></td> <td>35.1</td> <td>28.0</td>	SKALKAHO SUMMIT	7260		23		35.1	28.0
SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 50.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 94.3 STAHL PEAK PILLOW 6050 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - SUCKER CRELK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02<	SKALKAHO SUMMIT PILLOW						-
SLIDE ROCK MOUNTAIN 7100 4/27 22 7.8 26.6 20.0 SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 50.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 94.3 STAHL PEAK PILLOW 6050 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - SUCKER CREŁK 3960 4/30 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1		8750		23	10.2	40.9	29.1
SMUGGLER MINE 6960 4/29 0 .0 12.3 11.6 SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 50.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 94.3 STEMPLE PASS 6600 5/02 5 19.3 32.9 - STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1		7100		22	7.8	26.6	20.0
SOUTH FORK SHIELDS 8100 4/29 54 23.2 33.2 50.0 SPUR PARK 8000 4/27 44 18.0 26.0 26.0 SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 44.3 STAHL PEAK PILLOW 6050 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	SMUGGLER MINE	6960		0	• 0		11.6
SPUR PARK PILLOW 8100 4/27 SP 20.2 27.8 25.8 STAHL PEAK 6050 4/26 57 23.2 44.5 94.3 STAHL PEAK PILLOW 6050 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	SOUTH FORK SHIELDS	8100		54		33.2	50.0
STAHL PEAK 6050 4/26 57 23.2 44.5 44.3 STAHL PEAK PILLOW 6050 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	SPUR PARK	8000		44	18.0	26.0	26.0
STAHL PEAK PILLOW 6050 4/25 SP 19.3 32.9 - STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	SPUR PARK PILLOW	8100		SP			25.8
STEMPLE PASS 6600 5/02 5 1.5 15.0 11.9 STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	STAHL PEAK	6050	4/26	57	23.2	44.5	44.3
STORM LAKE 7780 5/02 0 .0 22.7 17.4 STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	STAHL PEAK PILLOW	6050	4/25	SP	19.3	32.9	-
STRYKER BASIN 6180 4/25 49 20.2 - - STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	STEMPLE PASS	6600	5/02	5	1.5	15.0	11.9
STUART MILL 6500 4/29 0 .0 7.2 6.7 SUCKER CREEK 3960 4/30 0 .0 SUGARLOAF 7350 4/29 0 .0 SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	STORM LAKE	7780	5/02	0	• 0	22.7	17.4
SUCKER CREEK 3960 4/30 0 .0 - - SUGARLOAF 7350 4/29 0 .0 - - SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	STRYKER BASIN		4/25	49	20.2	•	-
SUGARLOAF 7350 4/29 0 .0 SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1	STUART MILL	6500	4/29	0	• 0	7.2	6.7
SYLVAN PASS (WY) 7100 5/02 0 .0 18.3 11.1			4/30	0	• 0	-	-
			4/29	0	• 0	-	•••
TARGHEE PASS (ID) 7000 5/02 0 .0 15.9 15.4			5/02	0	• 0	18.3	
	TARGHEE PASS (ID)	7000	5/02	0	o 0	15.9	15.4

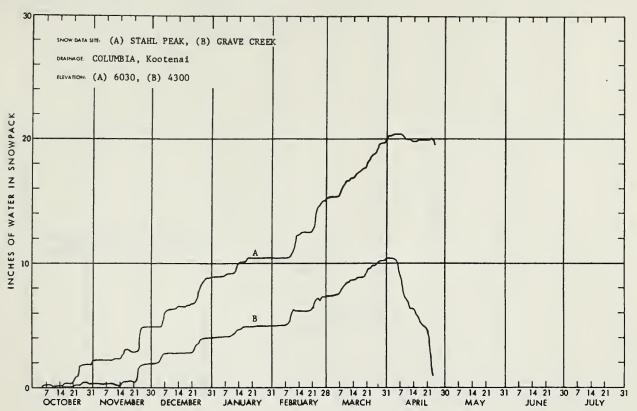
Average based On 1958-72 period. A - Aeriol observation; water content estimated. SP - Snow Pillow observation; water content only.

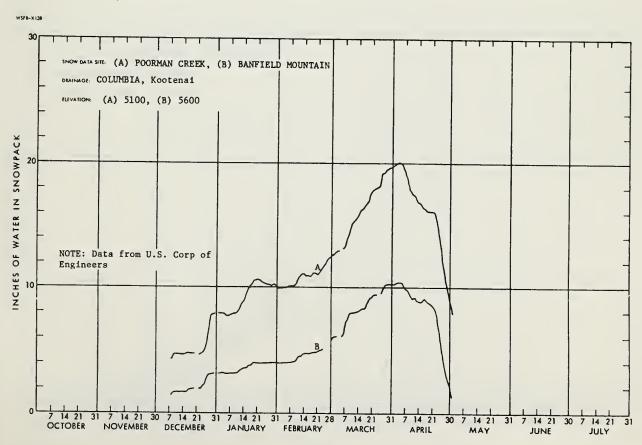


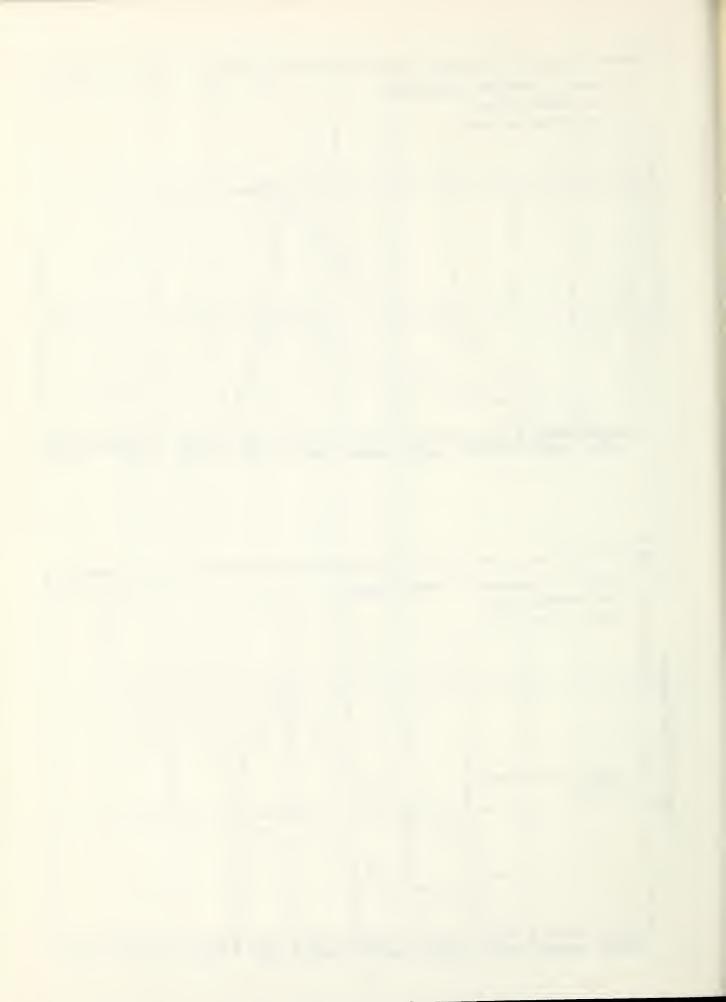
SNOW		THIS YEAR	Y	PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE			Snow Depth	Water Content	Water Content (inches)	
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average
TAYLOR ROAU	4080	4/30	0	• 0	100	-
TEN MILE LOWER	6600	4/30	0	• 0	10.8	6.0
TEN MILE MIDDLE	6800	4/30	6	1.4	19.4	13.8
TEN MILE UPPER	8000	4/30	10	3.3	22.6	17.1
TEPEE CREEK	8000	4/28	15	5.0	21.0	18.0
TEPEE CREEK PILLOW	8000	4/28	SP	3.6	16.7	-
TIMBERLINE CREEK	8850	4/29	33	12.0	24.1	19.8
TRAIL CREEK	7090	5/01	0	• 0	14.6	-
TV MOUNTAIN	6800	5/03	10	3.4	25.0	21.9
TWELVEMILE CREEK	5600	4/27	6	2.4	23.3	15.6
TWELVEMILE CREEK PILLOW	5600	4/27	SP	4.5	20.4	14.5
TWENTY-ONE MILE	7150	4/27	4	1.2	21.8	17.6
TWIN LAKES	6510	4/27	48	20.9	57.0	46.8
TWIN LAKES PILLOW	6400	4/27	SP	19.2	54.1	44.8
VALLEY VIEW (ID)	6500	5/02	0	• 0	16.0	14.2
WALDRON	5600	5/02	0	• 0	3.8	7.5
WALDRON PILLOW	5600	5/02	SP	• 0	8.2	10.2
WEASEL DIVIDE	5450	4/27	31	13.7	36.9	37.2
WEST YELLOWSTONE	6700	4/27	1	.1	15.2	7.2
WEST YELLOWSTONE PILLOW	6700	5/01	SP	• 0	10.7	6.5
WHISKEY CREEK	6800	4/30	0	• 0	26.4	20.3
WHISKEY CREEK PILLOW	6800	4/30	SP	• 5	22.6	-
WHITE ELEPHANT (ID)	7700	5/02	0	• 0	30.2	-
WHITE MILL	8700	4/29	39	14.4	38.6	30.0
WHITE MILL PILLOW	8700	5/03	SP	11.4	34.7	-
WHITE PINE RIDGE	8850	5/01	0	• 0	12.6	5.0
WILLOW CREEK	6500	4/25	2	•5	6.7	-
WOLVERINE (WY)	7650	4/28	0	• 0	18.8	-
WRONG CREEK	5700	4/26	0	• 0	10.6	11.9
WRONG RIDGE	6800	4/26	21	7.4	23.7	22.2
LA	re ARRIVIN	G DATA				
East Boulder S	9250	5/5	29	9.5A	42.5	_
east Boulder 5 Picket Pin D	9450	5/5	33	11.0A	42.5	_
	8800	5/5	51	20.5A	34.0	_
Placer Basin F	9650	5/5	43	27.0A	54.0	_
Star Lake E	7400	5/5	21	6.8	38.3	35.8
Stuart Mountain	7400	د ر د	2 I	0.0	50.5	55.0



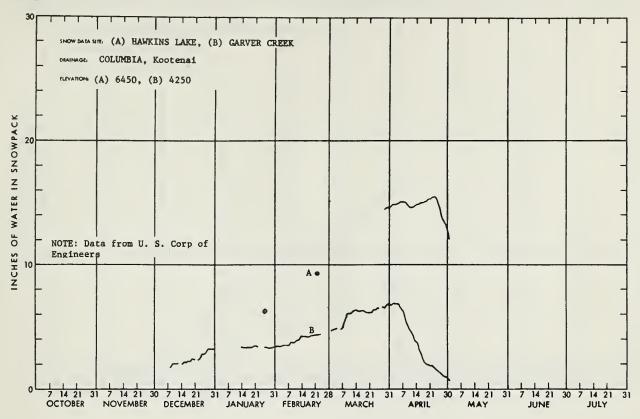


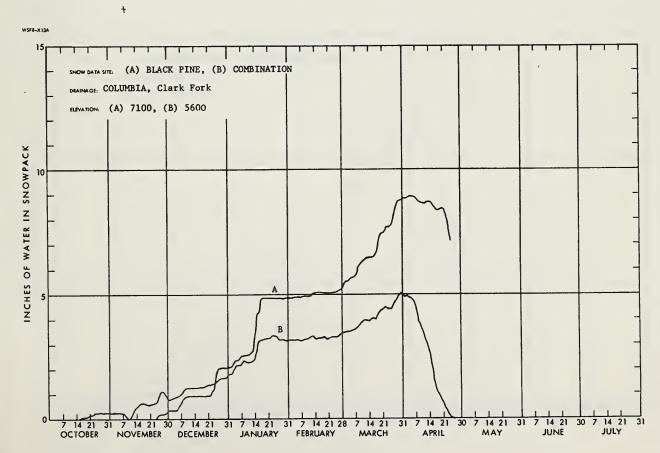


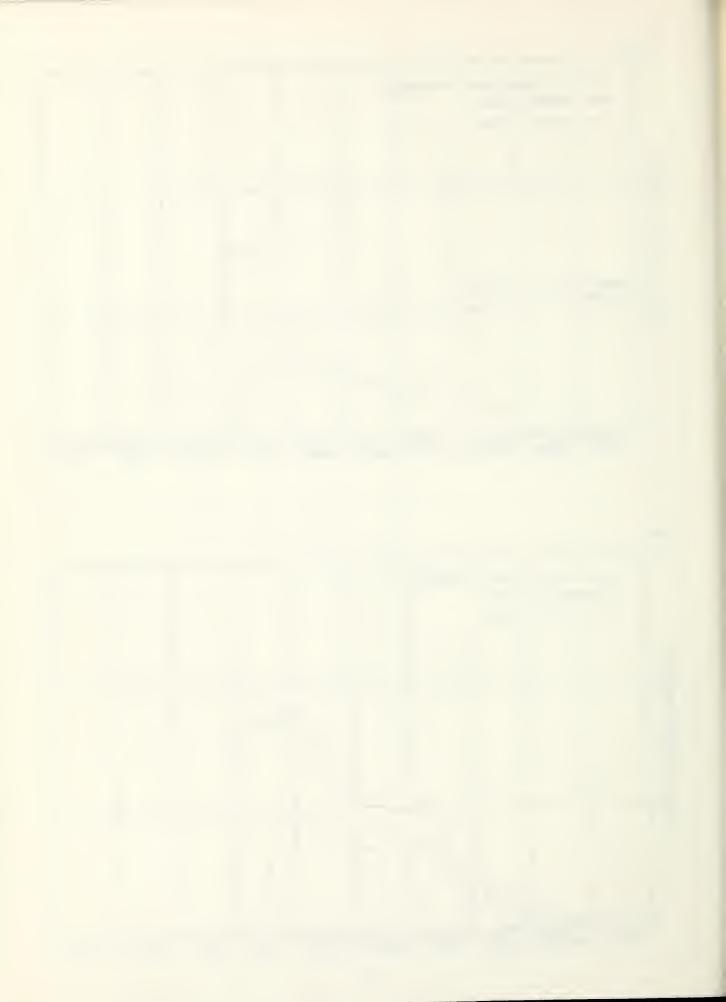


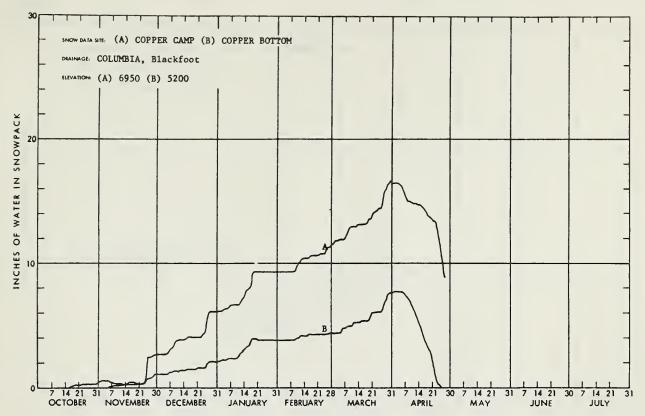


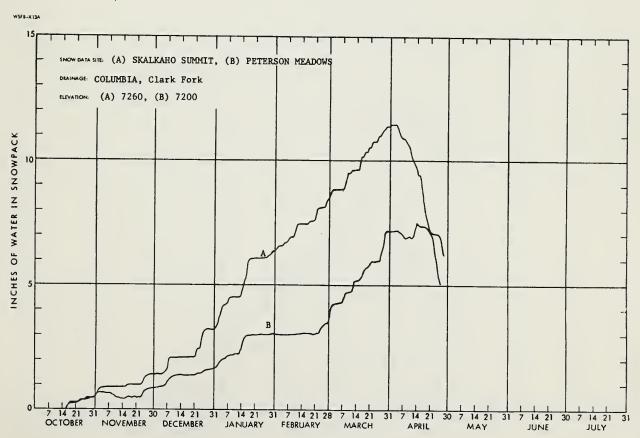


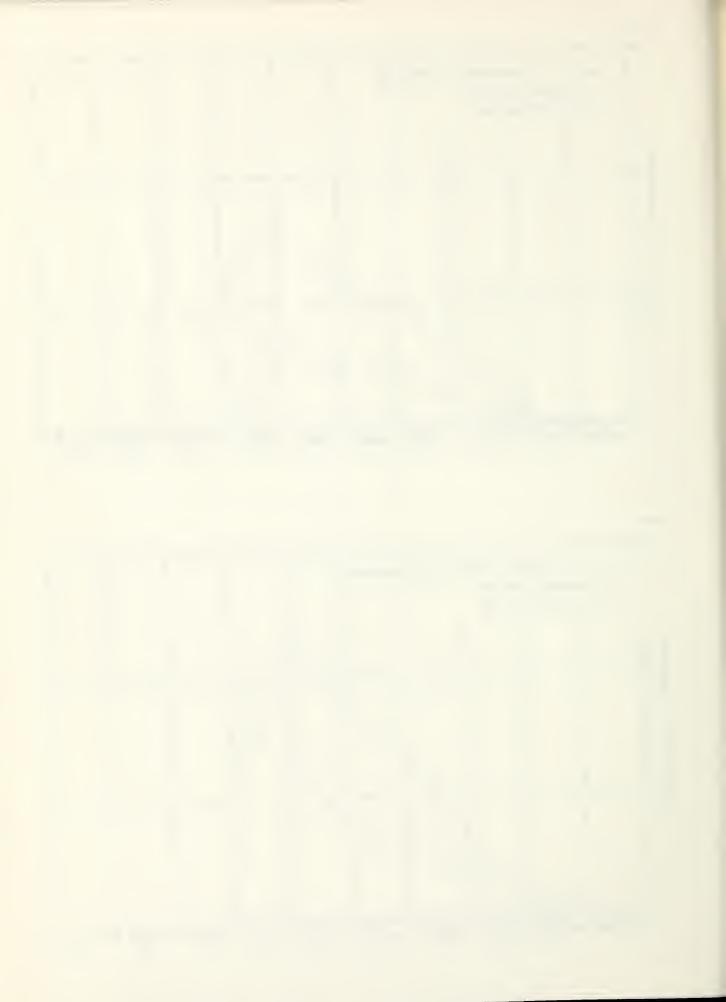




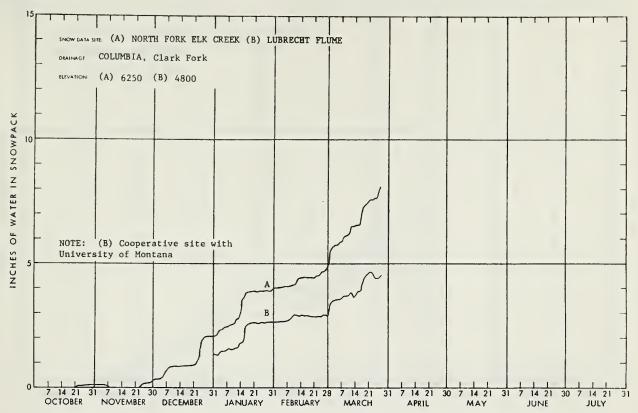


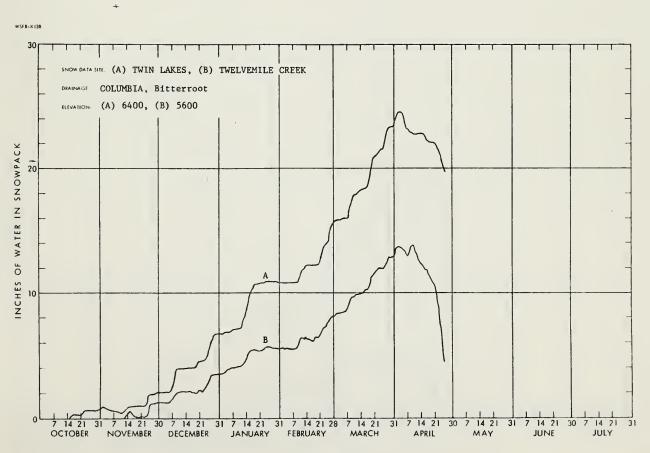


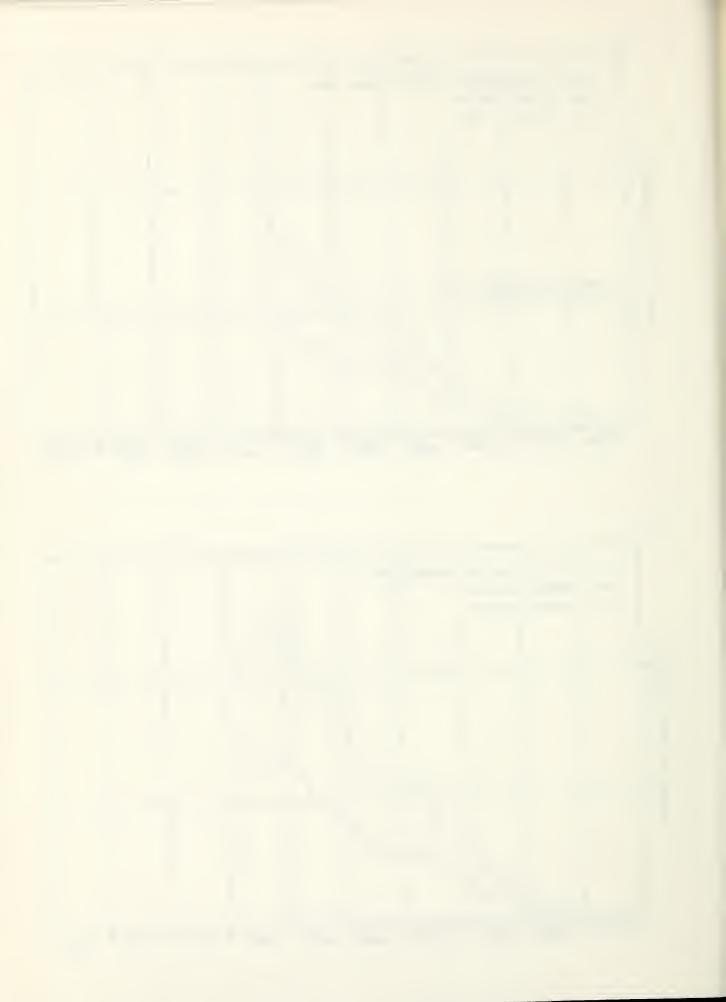




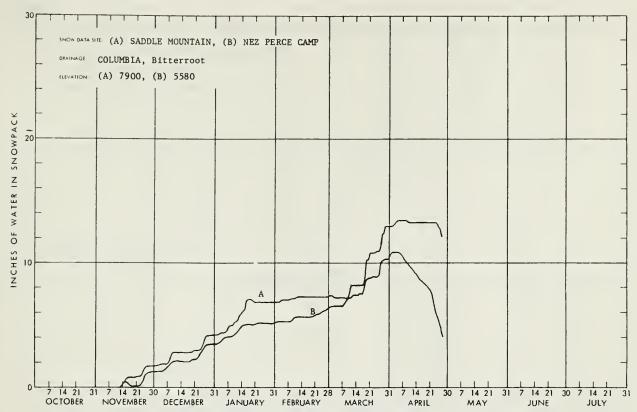




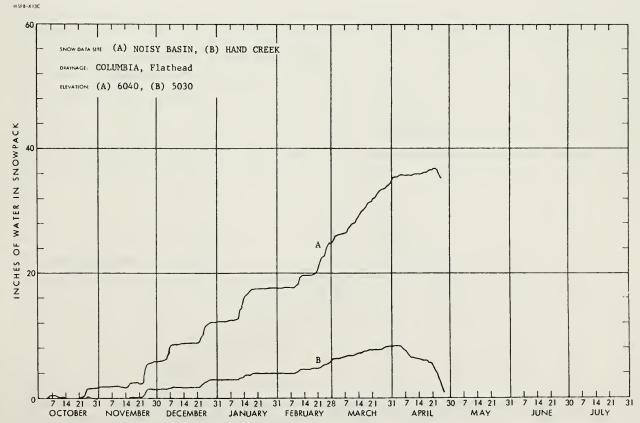


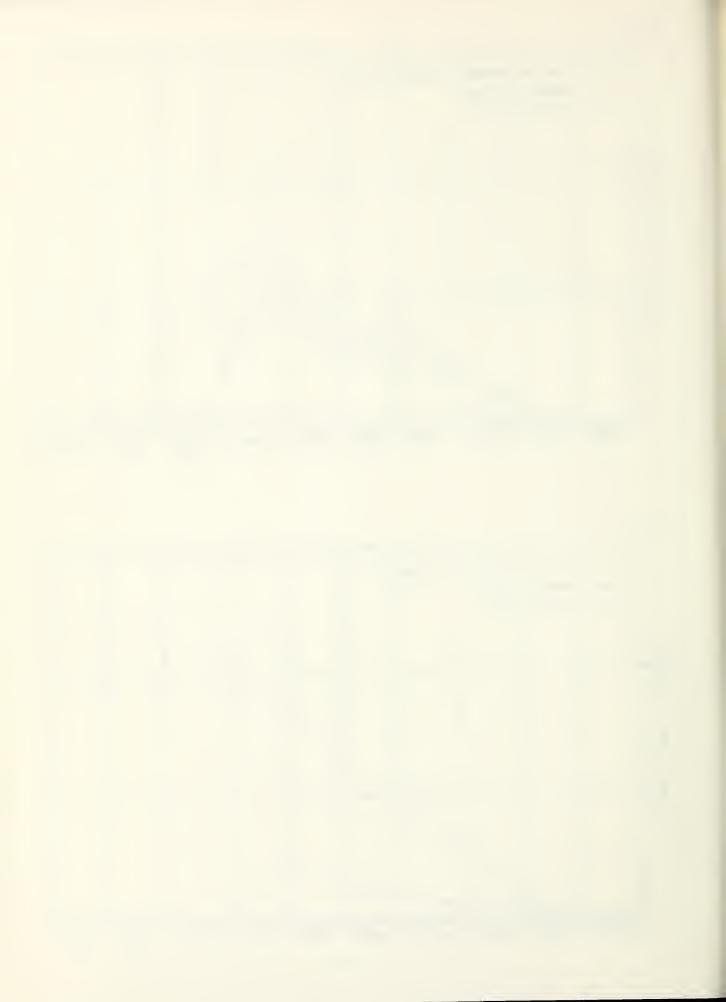




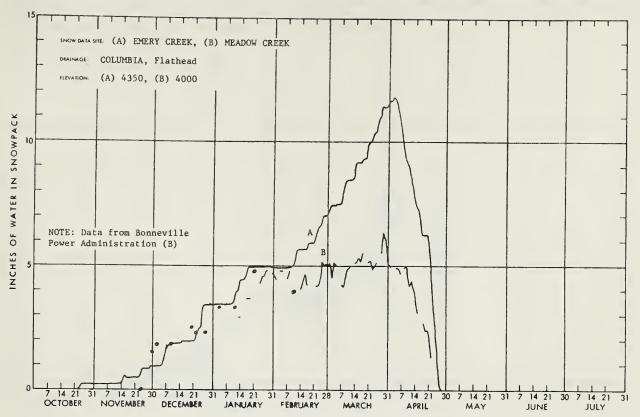


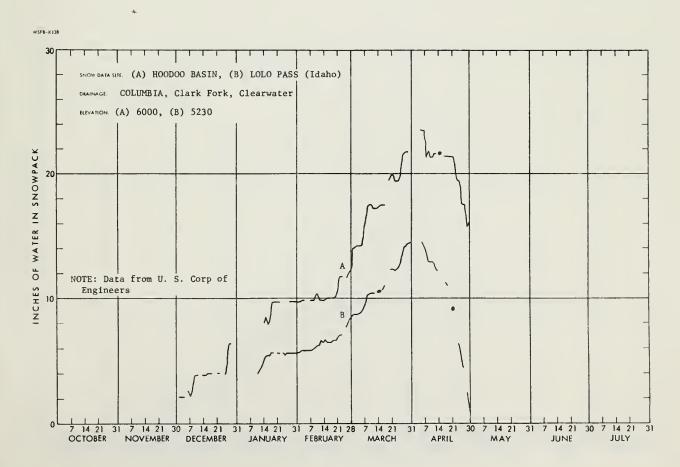


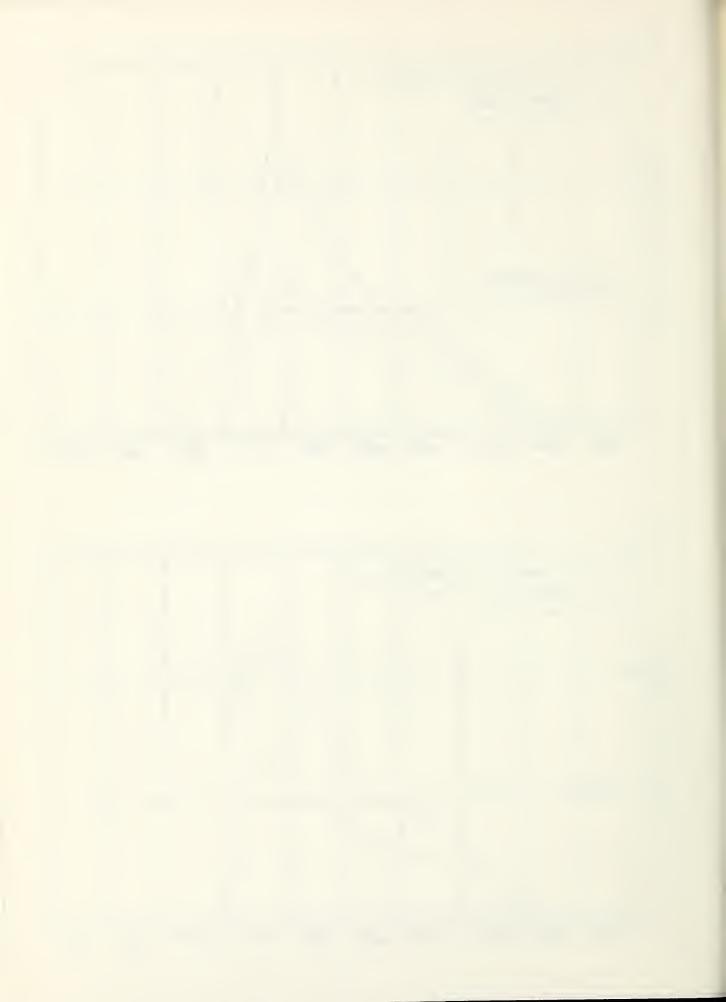


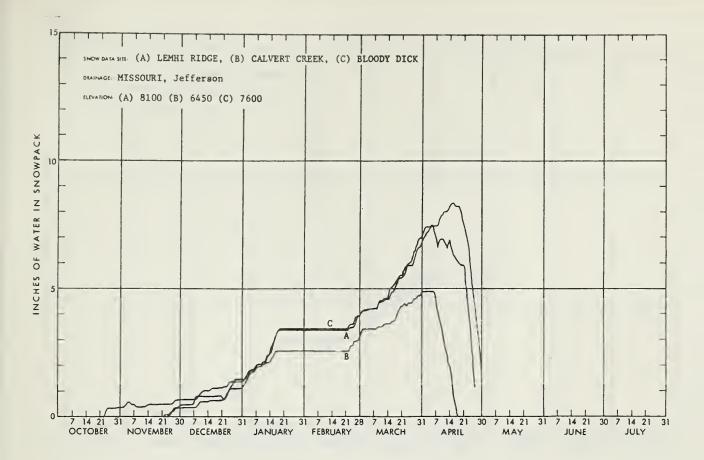


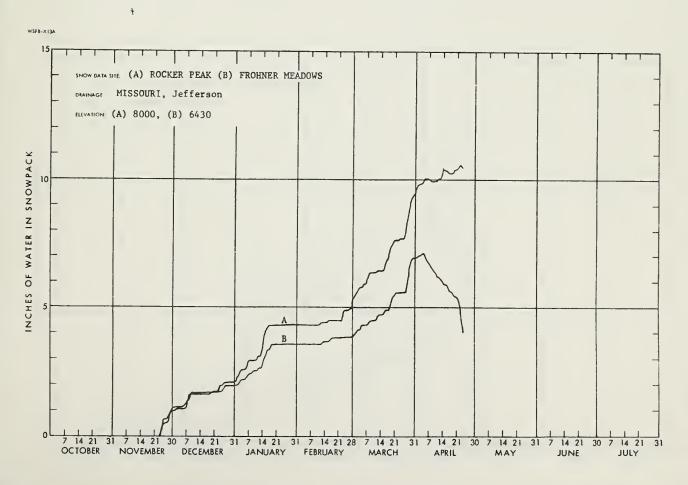


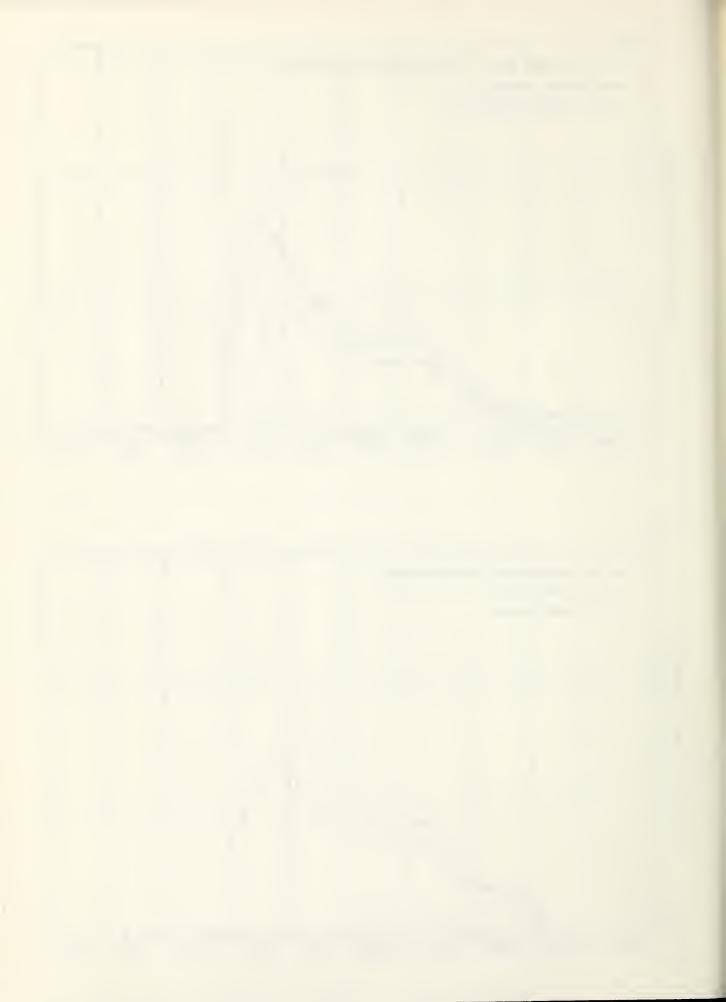




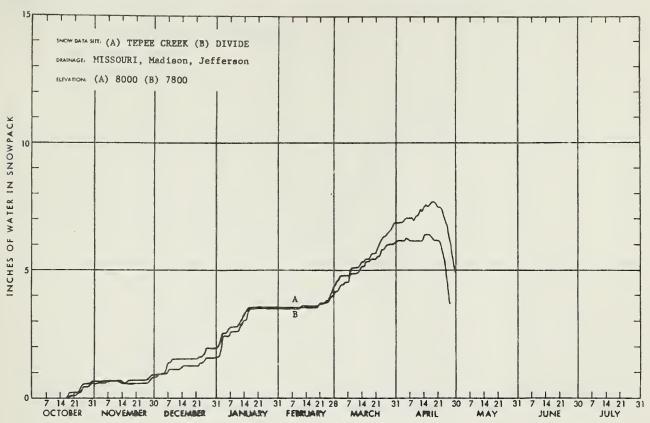


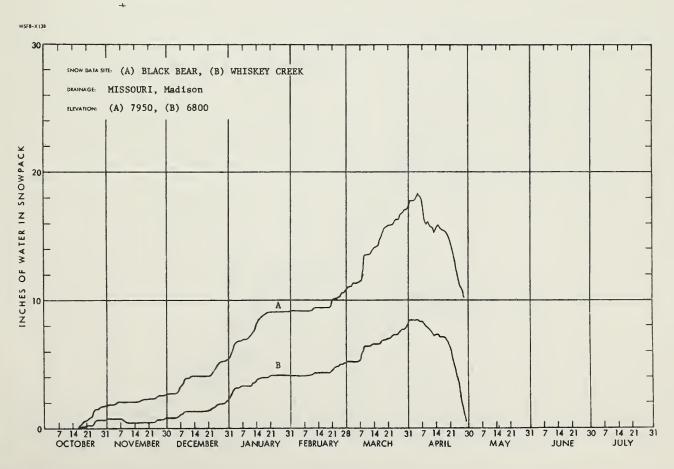


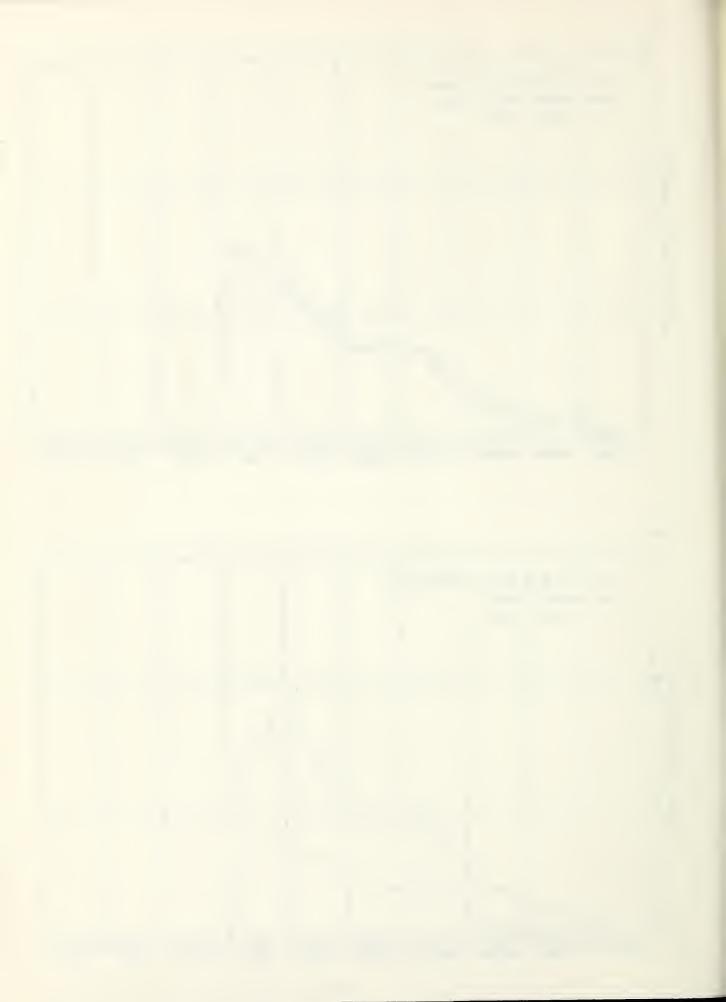




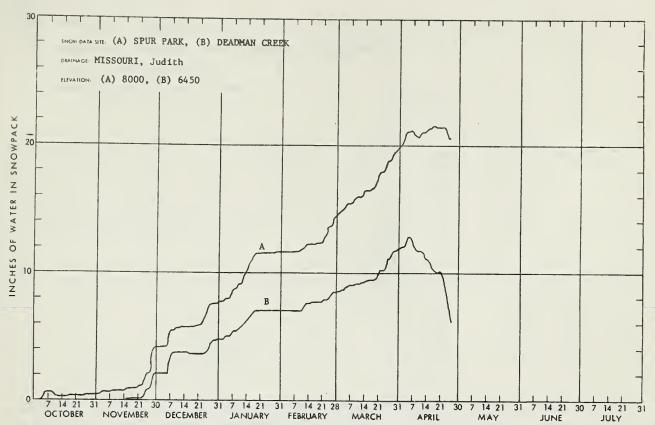


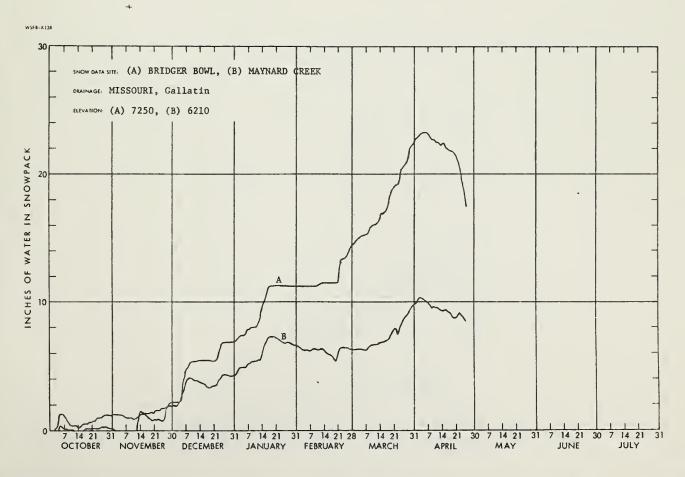


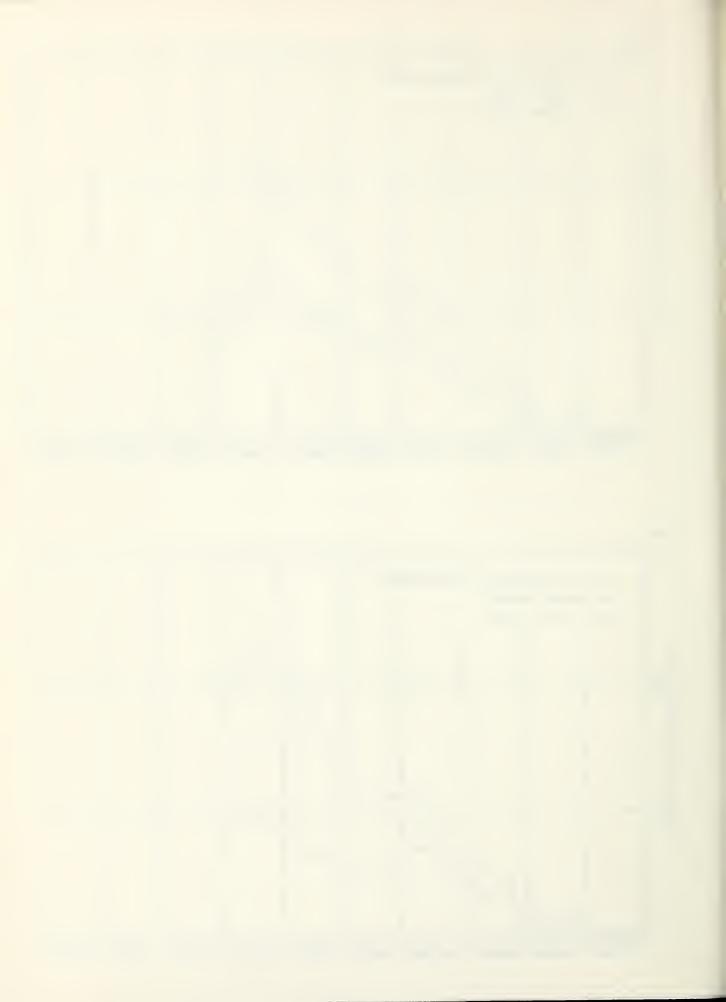




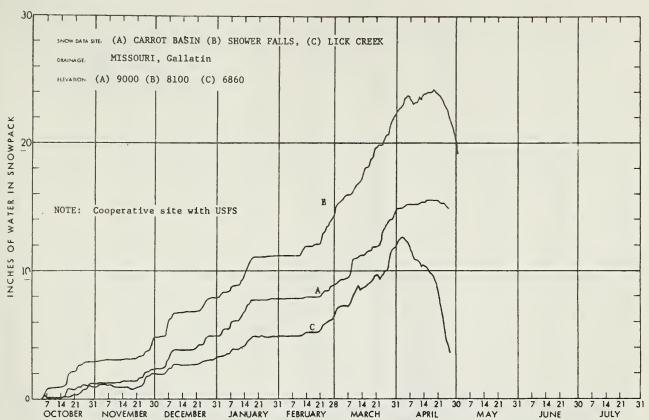


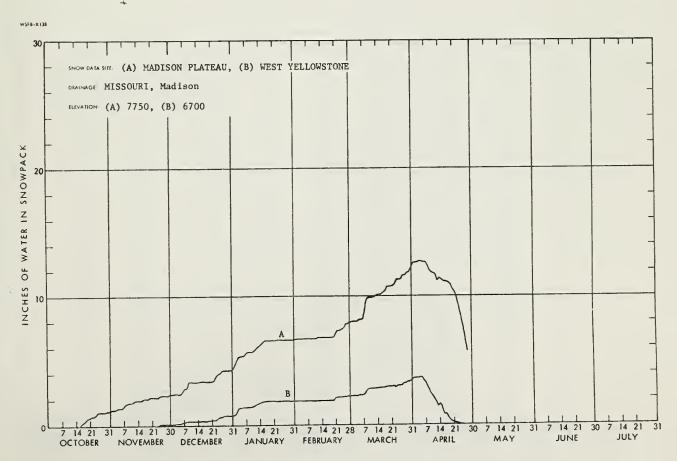


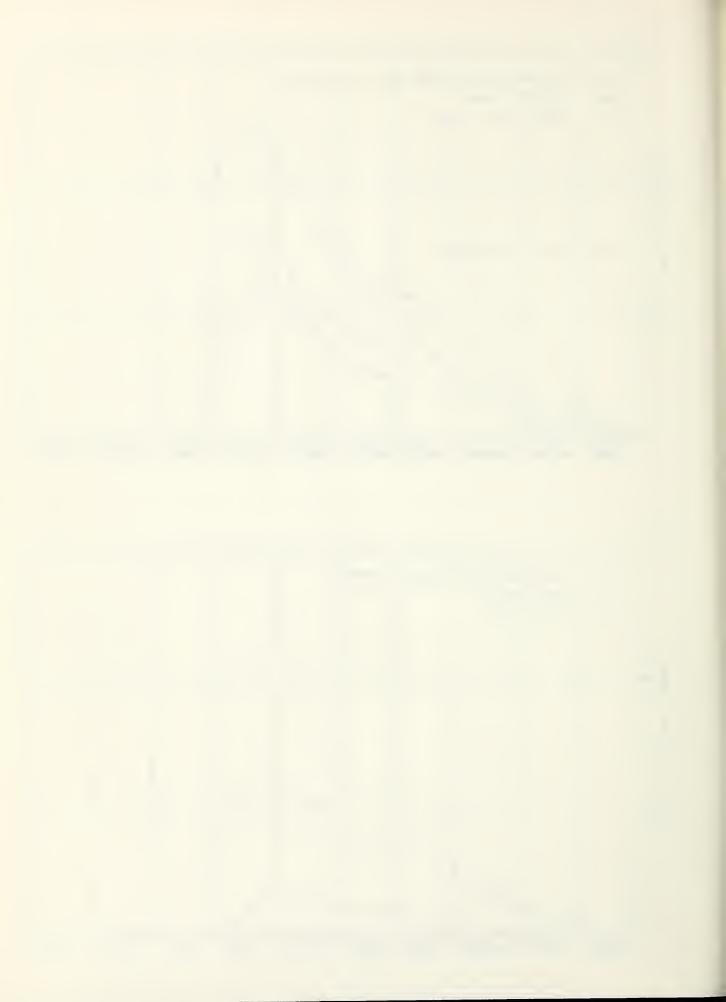




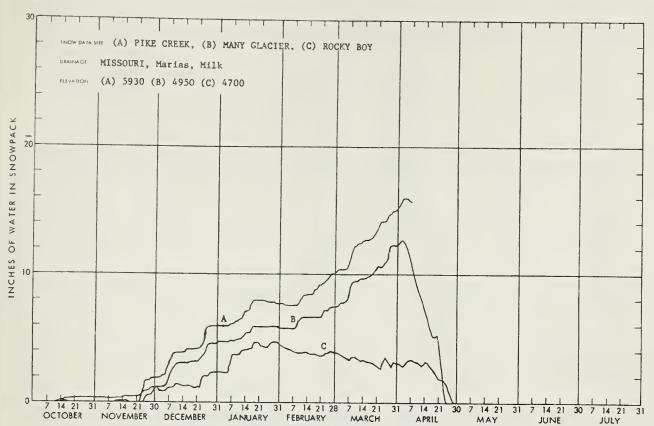


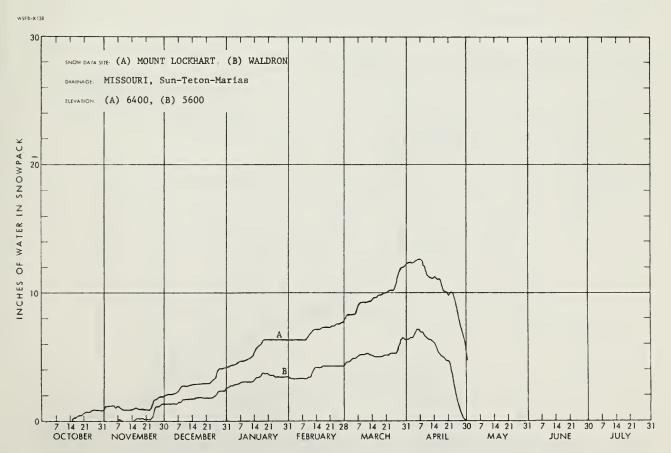


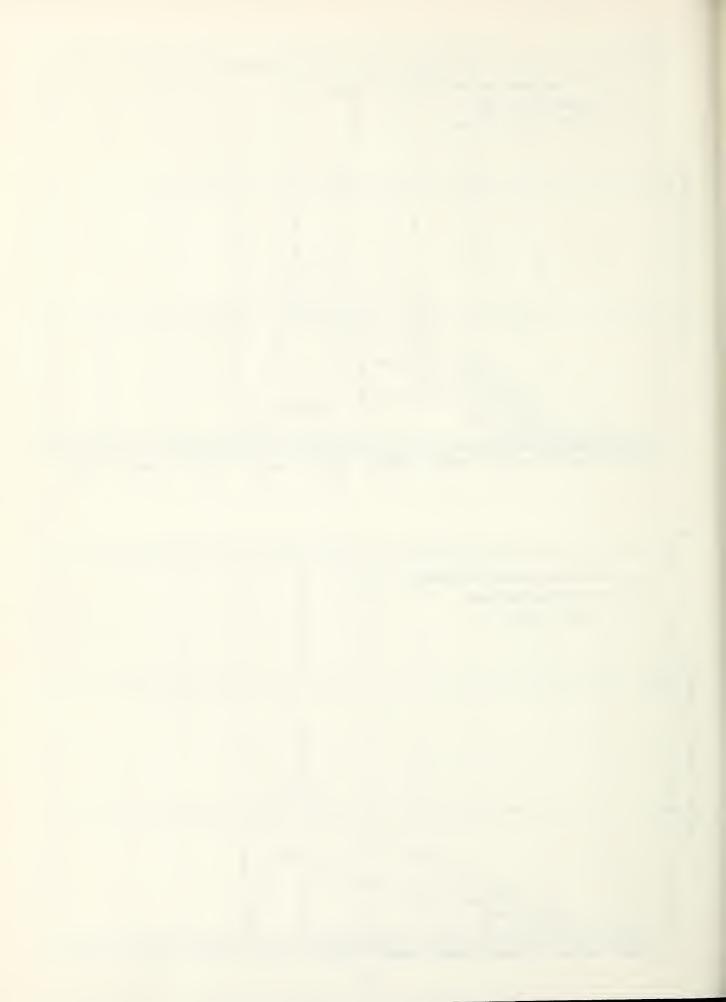














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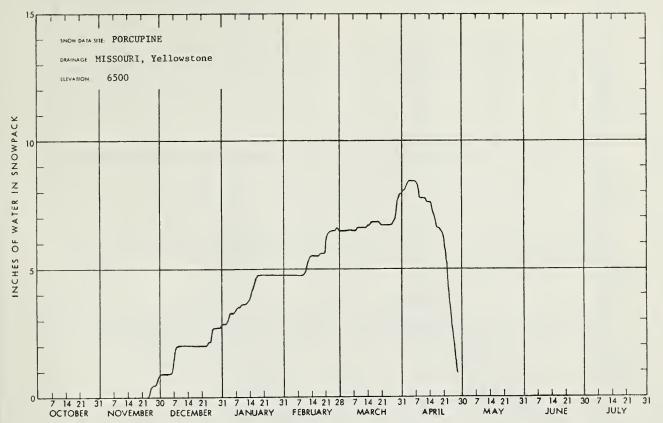
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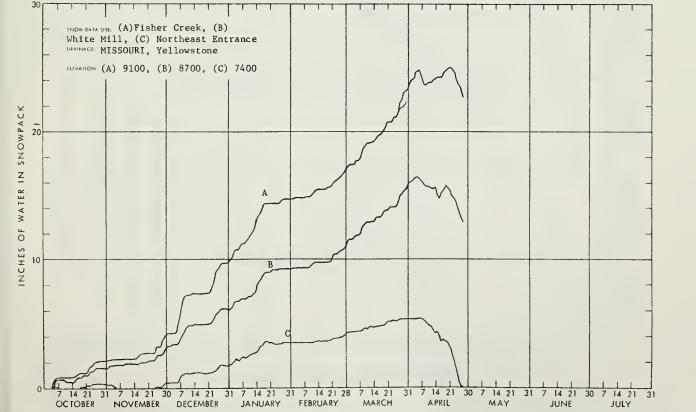
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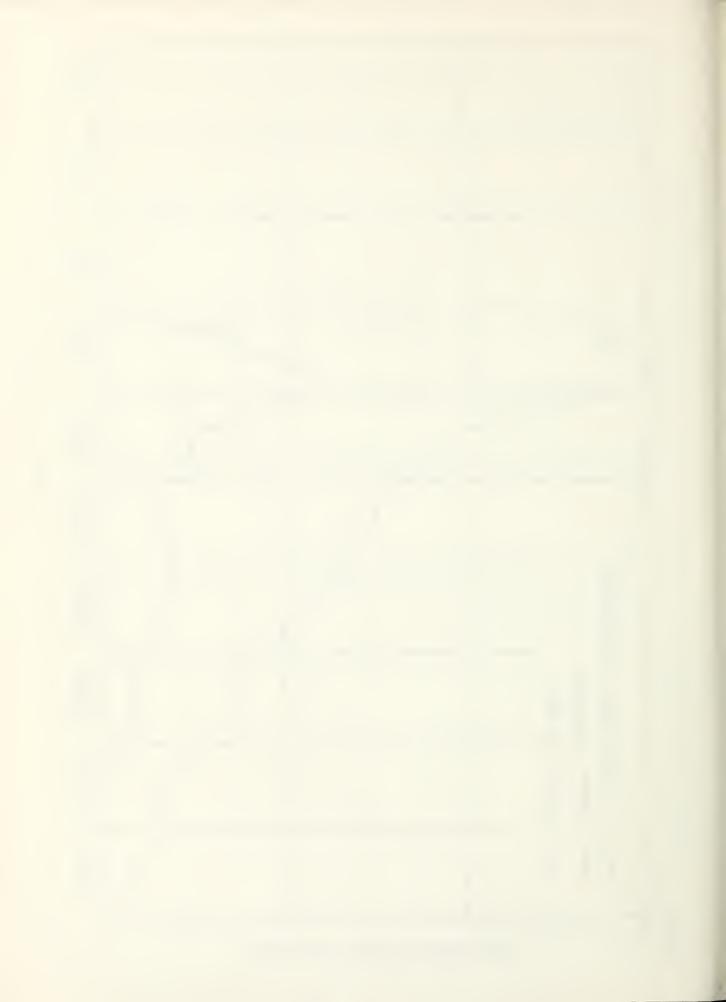
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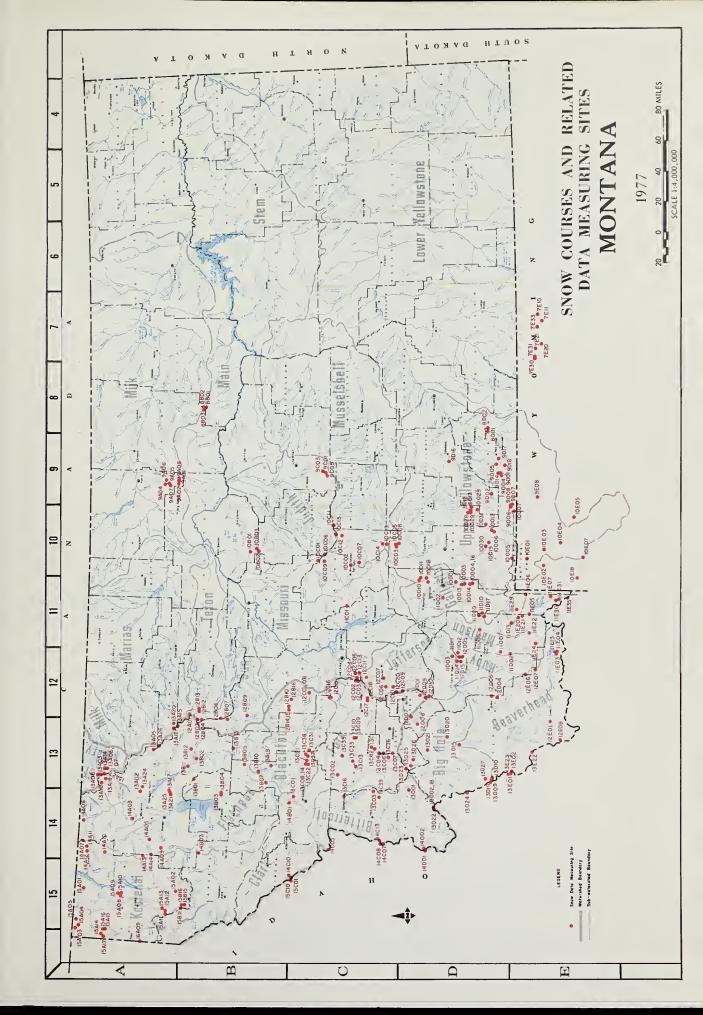
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Agencies and Organizations Cooperating in Montana Snow Surveys

GOVERNMENT AGENCIES

Canada:

Water Survey of Canada, Calgary, Department of the Environment
Water Resources Service, Department of Lands, Forests and Water Resources, British Columbia
Alberta Environment, Edmonton, Alberta

Federal:

Department of the Army
Corps of Engineers

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of the Interior
Bonneville Power Administration

Bonneville Power Administration
Bureau of Indian Affairs
Bureau of Reclamation
Fish and Wildlife Service
Geological Survey
National Park Service

STATE

Montana Association of Conservation Districts
Montana Department of Fish and Game
Montana Department of Natural Resources and
Conservation
Montana State University - Agricultural Experiment
Station
University of Montana - School of Forestry

PRIVATE

Montana Power Company Butte Water Company The Anaconda Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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